

aiwa

Compact Disc Stereo System

XR-MS5

COMPACT
disc
DIGITAL AUDIO

U

For assistance and information

call toll free 1-800-BUY-AIWA

(United States and Puerto Rico)

8B-CL5-903-11
010120BYK-H-M

OPERATING INSTRUCTIONS

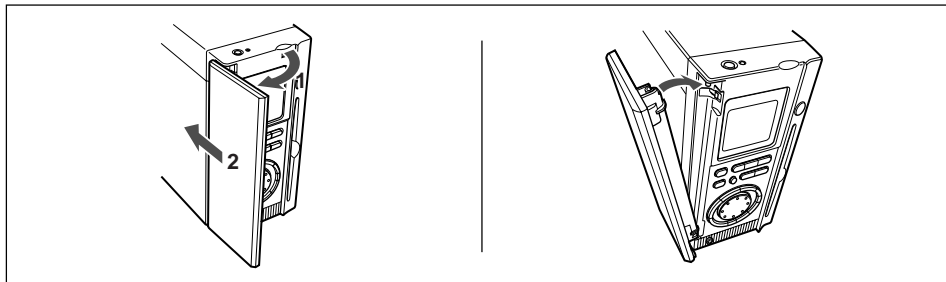
En (English)

MANUAL DE INSTRUCCIONES

E (Español)

MODE D'EMPLOI

F (Français)



Opening the front cover

- 1 Pull on the right top corner of the front cover.
- 2 Slide it back. You can operate the unit while the front cover is closed using the remote control.

When closing the front cover, pull it fully as illustrated, and close it.

Abertura de la tapa delantera

- 1 Tire de la esquina superior derecha de la tapa frontal.
- 2 Deslícela hacia atrás. Puede operar la unidad mientras la tapa frontal está cerrada utilizando el mando a distancia.

Al cerrar la tapa frontal, estire de ella hacia el exterior, como puede apreciar en la ilustración y ciérrela.

Ouvrir le couvercle avant

- 1 Tirez le coin supérieur droit du couvercle avant.
- 2 Faites glisser vers l'arrière. Vous pouvez mettre l'appareil en marche lorsque le couvercle avant est fermé en utilisant la télécommande.

Pour refermer le couvercle avant, tirez-le à fond comme illustré, puis refermez-le.

If the front cover comes off, attach as illustrated below.

Si la tapa delantera se sale, acóplela de nuevo como se indica en la ilustración.

Si le couvercle avant se détache, remplacez-le comme indiqué dans l'illustration ci-dessous.

ADDITIONAL DESCRIPTION

Timer playback (page 13)

Before doing step 1, complete the step below.

Press FUNCTION repeatedly to select the desired playback source.

DESCRIPCIÓN ADICIONAL

Reproducción con el temporizador (página 27)

Antes de llevar a cabo el paso 1, haga lo siguiente.

Pulse FUNCTION repetidamente para seleccionar la fuente de reproducción deseada.

DESCRIPTION ADDITIONNELLE

Lecture temporisée (page 41)

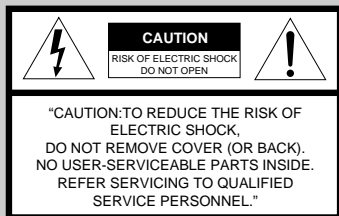
Avant l'étape 1, procédez comme suit.

Appuyez plusieurs fois sur FUNCTION pour sélectionner la source de lecture souhaitée.

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.

En

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.

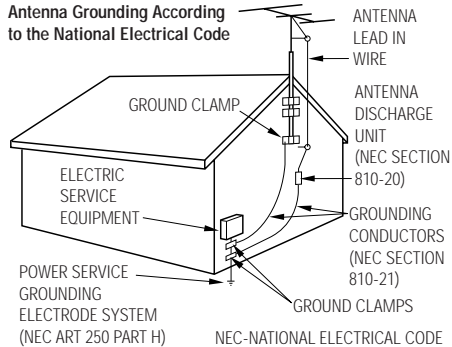
4 Extension cord — To help prevent electric shock, do not use a polarized AC power plug with an extension cord, receptacle, or other outlet unless the polarized plug can be completely inserted to prevent exposure of the blades of the plug.

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
Speakers cords
Remote control
Lithium battery (CR2025)
FM antenna
AM antenna

NOTE

Do not use a cellular phone near this unit, otherwise, noise may occur.

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. _____

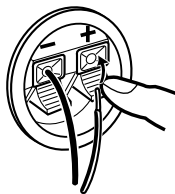
Serial No. _____

PREPARATIONS

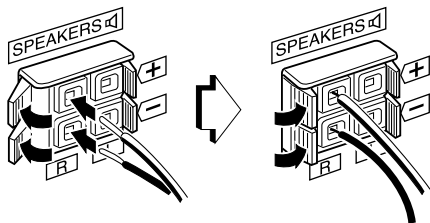
Connection

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

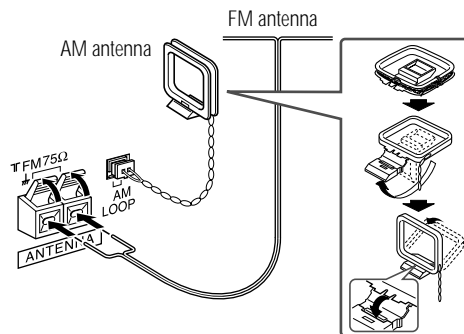
- 1 Connect the speaker cords to the speakers.
Connect the cords with the stripes to the + terminals and the other cords to the - terminals.



- 2 Connect the speakers to the main unit.
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 ⊕ terminals.



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



- 4 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 DEMO/ECO and the clock will flash on the display. For setting the clock, see page 9.

Speakers

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

Antennas

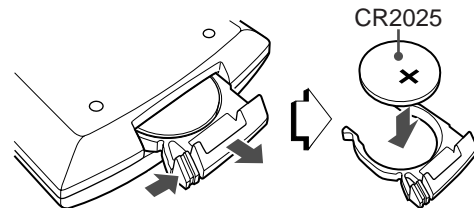
Keep antennas away from metallic objects, electrical equipment and cords.

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

While sliding the latch, pull out the battery holder from the bottom of the remote control. Place the supplied battery on the battery holder with correct polarity. Finally, insert the holder back into position.



- Replace the battery with new one 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.

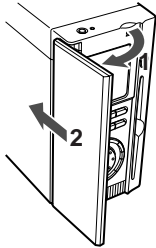
Caution!

- Do not keep the battery near metallic objects such as rings, bracelets, and keys. It may cause the battery to short circuit.
- After removing the battery, be sure to keep it out of reach of children. In case it is swallowed, consult a doctor immediately.

PARTS AND CONTROLS

Opening the front cover

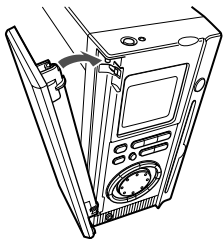
- 1 Pull on the right top corner of the front cover.
- 2 Slide it back.



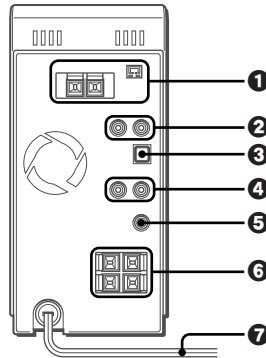
When closing the front cover, slide fully towards you, and close it.

You can operate the unit while the front cover is closed using the remote control.

If the front cover comes off, attach as illustrated below.



Main unit: rear



❶ AM LOOP jack and FM 75 Ω terminals

Plug in the supplied AM and FM antennas.

❷ VIDEO/AUX 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 repeatedly to select the AUX (VIDEO) function.

Tip:

To change a source name in the display, hold down **II** and press POWER while the power is on.
AUX → VIDEO

❸ DIGITAL OUT (OPTICAL) jack

CD digital sound signals can be output through this jack. Use an optical cable to connect digital audio equipment. Remove the dust cap from the DIGITAL OUT (OPTICAL) jack. Then connect an optical cable plug to the DIGITAL OUT (OPTICAL) jack.

❹ LINE OUT jacks

Analog sound signals for all functions can be output through these jacks. Use a cable with RCA phono plugs to connect audio equipment.

Connect the red plug to the R jack, and the white plug to the L jack.

Signals input through the VIDEO/AUX jacks are not output from the LINE OUT jacks.

❺ SUPER WOOFER jack

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

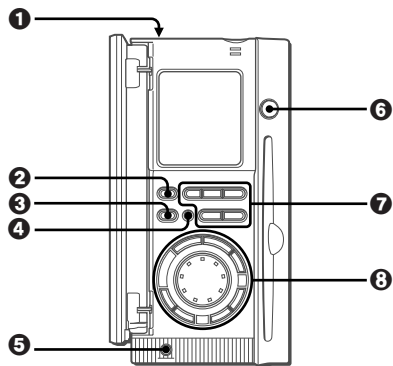
❻ SPEAKERS terminals

Connect the supplied speakers using the supplied speaker cords.

❼ AC power cord

Main unit: front

En



1 POWER \odot STANDBY/ON

Switches the unit on and off (standby).

2 FUNCTION

Switches the active function among FM/AM, AUX (VIDEO) and CD.

3 TUNER/BAND

Selects radio function and the radio band.

4 DEMO/ECO

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

When the unit is turned on: selects DEMO or dimmer mode.

5 PHONES jack

Plug in optional headphones set with a stereo mini plug ($\varnothing 3.5$ mm, $1/8$ in.). Speaker output is canceled.

6 \blacktriangle CD EJECT

Ejects the disc.

7 \mathbb{I} SET

CD: pauses playback.

Radio: stores the received station to preset.

■ CLEAR

CD: stops playback.

Radio: clears a preset station.

▶ PRESET

CD: starts playback.

Radio: tunes in a preset station.

◀◀/I◀◀, ▶▶/▶▶ (TUNING DOWN/UP)

CD: skips to a previous or a succeeding track when pressed, searches a track in fast forward or reverse playback when held down.

Radio: manually tunes up or down within the band.

8 VOLUME/MULTI JOG

Adjusts the volume.

Clock and Timer: sets the time.

Sleep: sets the sleep timer duration.

JOG MODE

Selects repeat, random, sleep, and timer.

ENTER

Determines the mode and the time (clock and timer).

DISPLAY

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

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

QSURROUND

Turns QSURROUND on and off.

EQ

Selects a sound equalization curve.

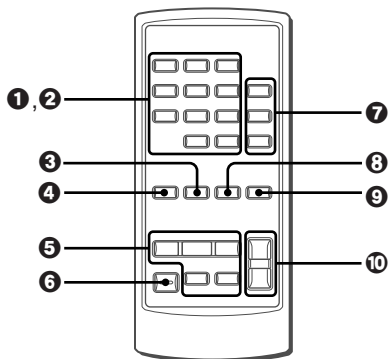
BBE

Enhances high frequency sound.

T-BASS

Emphasizes low frequency sound.

Remote control



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

1 0-9, +10

CD: selects a track of the specified number.

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

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

RANDOM/REPEAT

Selects random or repeat CD playback mode.

PROGRAM

Selects programmed CD playback mode.

DISPLAY

TIMER

Selects timer playback setting mode.

SLEEP

Selects sleep-timer setting mode.

CLOCK

Selects clock setting mode.

MONO TUNER

Switches between stereo or monaural FM reception.

3 T-BASS

4 SHIFT

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

5 IISET

▶PRESET

◀◀/I◀◀, ▶▶/▶▶I (TUNING DOWN/UP)

■CLEAR

6 POWER

7 TUNER/BAND

Selects radio function and the radio band.

AUX

Selects the function of external equipment connected to the VIDEO/AUX jacks.

CD

Selects CD function.

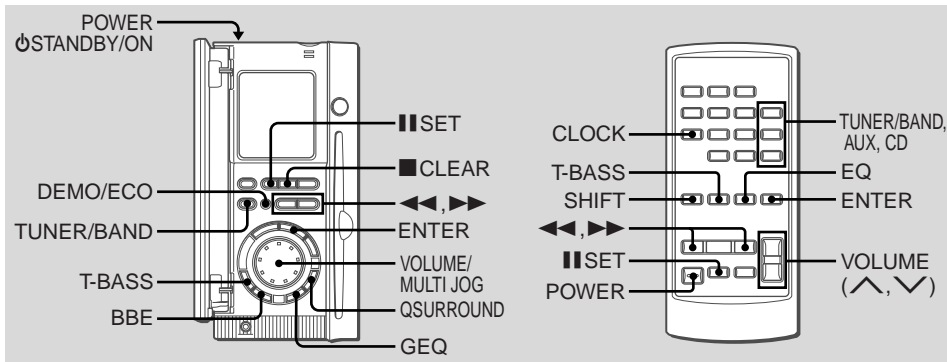
8 EQ

9 ENTER

10 VOLUME (∧, ∨)

ADJUSTMENTS BEFORE OPERATION

En



Power

Turning the unit on

Press POWER \odot STANDBY/ON (POWER on the remote control).

Alternatively, press TUNER/BAND (AUX or CD on the remote control). Playback will start automatically if a disc is inserted.

Turning the unit off

Press POWER \odot STANDBY/ON again.
The unit goes into standby.

Volume

Turn VOLUME/MULTI JOG (Press VOLUME (\wedge , \vee) 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 more, 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 DEMO/ECO. 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 the power economizing mode.**

Press DEMO/ECO 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 the power economizing mode is activated

"Eco Mode" is displayed for 4 seconds, and everything on the display clears.

Only the red indicator to the right of POWER lights to show that power is being supplied to the unit.

Standby power consumption

When the power economizing mode is activated: 0.7 W

Dimmer

Adjusts the brightness of the display.

Press DEMO/ECO repeatedly while the unit is turned on.

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

- ① Brighter display
- ② DEMO
- ③ Darker display

If the power is turned off after changing the display brightness, the display returns to that brightness when the power is turned on the next time.

If the power is turned off during DEMO, the display becomes brighter when the power is turned on again.

SOUND ADJUSTMENTS

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.
- 2 Press **◀◀** or **▶▶** to set the time.
Each press changes the time in 1-minute steps.
Holding these buttons down will vary the time in 10-minute units.
If **◀◀** or **▶▶** is not pressed within 4 seconds, setting is canceled.
 - You can also turn VOLUME/MULTI JOG to the right to advance the time and to the left to move the time back.
The speed with which the time changes varies according to how fast you turn VOLUME/MULTI JOG.
- 3 Press **■** or ENTER.
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 press **■** within 4 seconds.
With each press, the clock alternates between 12- and 24-hour standard time.

Tip:

In the 12-hour standard, "AM12:00" indicates midnight and "PM12:00" noon.

If the clock display flashes when the unit is turned off

There has been a power interruption. Reset the clock.

Graphic equalizer

Selects a sound equalization curve to match the music type.
Press EQ repeatedly to select one of the three equalization curves.

- ROCK: Powerful sound emphasizing treble and bass
- POP: More presence in the vocals and midrange
- JAZZ: Accented lower frequencies for jazz-type music

To cancel equalization

Press EQ repeatedly until the selected levels go off.

BBE

Enhances high frequencies for sound clarity.

Press BBE repeatedly to select one of the three enhancement levels or the off position.

- If the sound becomes distorted with the BBE effect, cancel the effect.

T-BASS

Emphasizes low frequencies for a powerful sound.

Press T-BASS repeatedly to select one of the three emphasis levels or the off position.

- If the sound becomes distorted with the T-BASS effect, cancel the effect.

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.

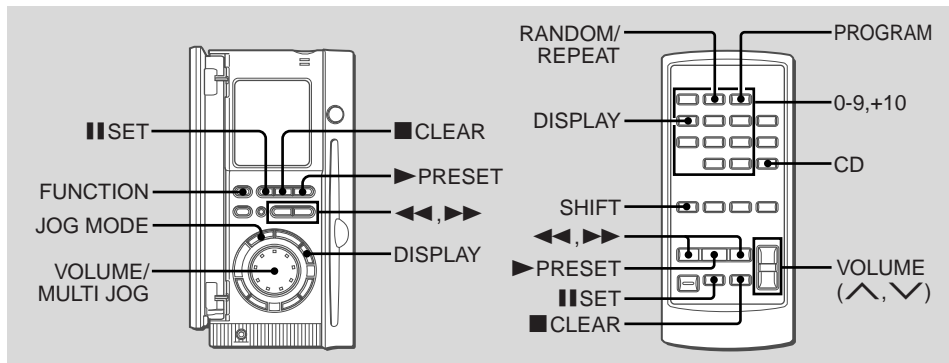
Press QSURROUND until "Q-SUR" appears on the display and the QSURROUND indicator lights up.

To cancel the Q SURROUND effect

Repeat the above so that 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 back finalized CD-R/RW discs as well as audio CDs.

Playback

- 1 Press FUNCTION repeatedly (CD on the remote control) to select the CD function.
- 2 Insert a disc with the label facing to the right and gently push it until it is loaded automatically inside the unit.
Do not push the disc forcibly.

Note

If you insert a disc with the label side facing to the left, "CD Error" will be displayed. The disc will eject automatically.
Insert it again correctly.

- 3 Press ► to start play.

To stop playback

Press ■.

To pause playback

Press |||. Press again to resume playback.

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

Press ◀◀ or ▶▶ repeatedly.

To search (playback in fast forward or reverse)

Hold down ◀◀ or ▶▶. Release at the desired point.

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 the playback mode

Press DISPLAY (hold down SHIFT and press DISPLAY on the remote control) during playback.

The display changes in the following order:

- 1 Level indicator
 - 2 Track number being played and elapsed playing time
 - 3 Track number being played and remaining time of play
- Remaining playback time cannot be displayed during random playback or programmed playback.

Random/Repeat playback

Random playback plays all the tracks in random order. Repeat playback plays all the tracks or the track being played repeatedly. You can select random and repeat all playback at the same time.

On the main unit

- 1 Press JOG MODE repeatedly so that "RANDOM" or "REPEAT" is displayed.
- 2 Turn VOLUME/MULTI JOG to select one of the following modes:
Repeat 1 playback: "↺ 1"
Repeat all playback: "↺"
Random playback: "RANDOM"
- 3 Press ► to start play.

On the remote control

- 1 Hold down SHIFT and press RANDOM/REPEAT repeatedly to select one of the following modes:
Repeat 1 playback: "↺ 1"
Repeat all playback: "↺"
Random playback: "RANDOM"
Random/Repeat all playback: "RANDOM ↺"
- 2 Press ► to start play.

To cancel random/repeat playback

On the main unit

- 1 Press JOG MODE repeatedly so that "RANDOM" or "REPEAT" is displayed.
- 2 Turn VOLUME/MULTI JOG until "RANDOM", "↺ 1" or "↺" disappears.

On the remote control

Hold down SHIFT and press RANDOM/REPEAT repeatedly until "RANDOM", "↺ 1" or "↺" disappears.
Direct selection of the tracks with the numbered buttons cancels the random mode.

To repeat a selected set of tracks

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

- If the random play mode is activated during "↺ 1" play mode, the "↺ 1" will be canceled and "↺" will be selected.
- Direct selection of the tracks with the numbered buttons cancels the random play mode.

Programmed playback

Plays back 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 Press ► to start play.

The track number for the current track flashes on the display.

- During programmed playback, 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 playback 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. "PRGM FULL" is displayed.

To check the program

Press ◀◀ or ▶▶ repeatedly in stop mode. The track number and program number are displayed in succession.

To clear the program

Press ■ in stop mode. "PRGM" disappears on the display.

To add tracks to the program

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

To change the programmed tracks

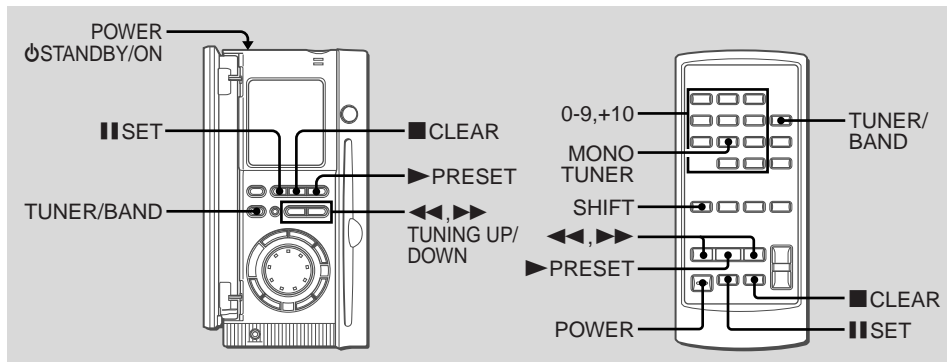
Clear the program and repeat all the steps again.

Notes on CDs

- Do not insert more than one disc.
- Do not tilt the unit with a disc inserted.
- 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 insert an unrecorded CD-R/RW disc. The disc may be damaged.
- Do not use irregular-shaped CDs.

RADIO OPERATIONS

En



Manual tuning

- 1 Press TUNER/BAND repeatedly to select a band. The unit switches to the radio from any other function and alternates between FM and AM.
- 2 Press ◀◀ or ▶▶ repeatedly to tune in a station. "TUNE" is displayed when a station is tuned in. "(((◊)))" lights up for FM stereo reception.

To search for a station automatically (Auto search)

Hold down ◀◀ or ▶▶.

The unit searches for a station and stops at reception.

To stop the search manually, press ◀◀ or ▶▶.

- 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 SET 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. "PRST 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 Press ▶ repeatedly. With each 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 Press CLEAR, then press SET 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 TUNER on the remote control so that "TUNER MONO" is displayed. To cancel, press again to display "Auto STEREO."

Tip:

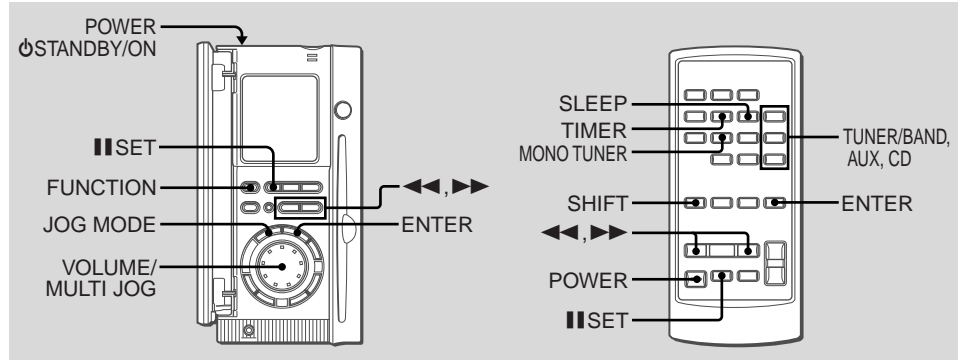
When FM stereo reception is poor, switching to monaural reduces noise.

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.

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 JOG MODE repeatedly (hold down SHIFT and press SLEEP on the remote control). "SLEEP" is displayed.
- 2 Press **◀◀** or **▶▶** repeatedly to set the sleep timer duration.
With each press, the timer duration changes in 5-minute steps between 5 to 240 minutes. If there is no button input for 4 seconds, the current setting is entered automatically. The unit turns off after the selected time.
 - VOLUME/MULTI JOG is also available in place of **◀◀** or **▶▶**.

To check the remaining time until the unit turns off

Press JOG MODE repeatedly (hold down SHIFT and press SLEEP on the remote control). The remaining time is displayed for 7 seconds.

To cancel the sleep timer

Press JOG MODE and turn VOLUME/MULTI JOG (hold down SHIFT and press SLEEP repeatedly on the remote control) until "SLEEP OFF" is displayed.

Timer playback

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

- 1 Press FUNCTION repeatedly to select the desired playback source.
- 2 On the main unit
 - 1 Press JOG MODE repeatedly so that "TIMER OFF" is displayed.
 - 2 Within 7 seconds, turn VOLUME/MULTI JOG so that "TIMER **⊕** PLAY" is displayed and "**⊕**" indicator lights up.

On the remote control

- 1 Hold down SHIFT and press TIMER. "**⊕**" indicator lights up and "TIMER **⊕** PLAY" appears on the display. Then, the timer-on time and the source name appear alternately on the display.

- 3 Within 7 seconds, press ENTER.
The timer-on time and the source name appear alternately on the display.
- 4 Press ◀◀ or ▶▶ to set the timer-on time, then press ENTER.
- 5 Press ◀◀ or ▶▶ to set the timer-activated duration, then press ENTER.
With each press, the timer-activated duration changes in 5-minute steps between 5 to 240 minutes.
If there is no button input for 4 seconds, the current setting is entered automatically.
 - VOLUME/MULTI JOG is also available in place of ◀◀ or ▶▶.
- 6 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.
- 7 Prepare the source.
To play CD, insert a disc.
To play the radio, select the band and tune in the desired station.
To play external equipment connected to the VIDEO/AUX jacks, set an external timer for the equipment so that its playback begins at the same time.

- 8 Press POWER ⏻STANDBY/ON to turn the unit off.
"⏻" remains on the display to indicate the timer standby mode (when the 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

Hold down SHIFT and press TIMER.

The timer-on time, the source and the timer-activated duration are displayed for 4 seconds.

To change the timer setting

Reset the timer again.

To cancel the timer

On the main unit

Press JOG MODE to display "TIMER ⏻ PLAY" and turn VOLUME/MULTI JOG so that "TIMER OFF" is displayed. Then press ENTER. "⏻" disappears from the display.

On the remote control

Hold down SHIFT and press TIMER repeatedly until "TIMER OFF" is displayed. "⏻" disappears from the display.

Tip:

Your timer setting is retained even if the timer is canceled. Next time the timer is activated, 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.

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 disc cannot be ejected

- If the disc cannot be ejected by pressing **▲** CD EJECT, turn off the power and press **▲** CD EJECT while holding down DISPLAY until the disc comes out. Then press POWER to turn the unit on again.

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 Hold down **■** and press POWER.

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 μ V/m
AM antenna	Loop antenna

AMPLIFIER

Power output	12 W + 12 W (50 Hz - 20 kHz, THD less than 1%, 6 ohms) 15 W + 15 W (1 kHz, THD less than 10%, 6 ohms)
Total harmonic distortion	0.05% (6 W, 1 kHz, 6 ohms, DIN AUDIO)
Input	VIDEO/AUX: 600 mV
Outputs	SPEAKERS: 6 ohms or more PHONES: 16 ohms or more SUPER WOOFER 0.85 V DIGITAL OUT (OPTICAL) jack LINE OUT jack

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	45 W
Power consumption in standby mode	With ECO mode on: 0.7 W With ECO mode off: 13 W
Dimensions (W \times H \times D)	100.0 \times 205.0 \times 292.5 mm (4 \times 8 $\frac{1}{8}$ \times 11 $\frac{5}{8}$ in.)
Weight	3.5 kg (7 lbs 12 oz)

SPEAKER SYSTEM

Speaker system	2 way, bass reflex (magnetic shielded)
Speaker units	Woofer: 85 mm (3 $\frac{3}{8}$ in.) cone Tweeter: 22 mm ($\frac{29}{32}$ in.) dome
Impedance	6 ohms
Dimensions (W \times H \times D)	100 \times 210 \times 185 mm (4 \times 8 $\frac{3}{8}$ \times 7 $\frac{3}{8}$ in.)
Weight	1.5 kg (3 lbs 5 oz)

Specifications and external appearance are subject to change without notice.

BBE SYSTEM

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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.

Printed in Malaysia



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)

AIWA CO.,LTD.



Faible réception radio

- Vérifiez la connexion de l'antenne. Ajustez l'antenne pour trouver la meilleure réception.
- Placez l'appareil et l'antenne à l'écart d'autres appareils électriques et de cordons.

Le lecteur CD marche mal

- Le disque est-il correctement introduit?
- Le disque est-il sale?
- La lentille est-elle affectée par la condensation? Si c'est le cas, attendez approximativement une heure et essayez à nouveau.

Le disque ne peut pas s'éjecter

- Si le disque ne peut pas s'éjecter en appuyant sur **▲** CD EJECT, mettez l'appareil hors tension et appuyez sur **▲** CD EJECT tout en maintenant enfoncé DISPLAY jusqu'à ce que le disque sorte. Puis appuyez sur POWER pour mettre de nouveau l'appareil sous tension.

Régler l'appareil à nouveau

Si un problème inhabituel arrive sur la fenêtre d'affichage, réglez à nouveau l'appareil comme suit:

1 Appuyez sur POWER pour couper l'alimentation.

Si l'alimentation ne peut pas être coupée, débranchez le cordon d'alimentation secteur, puis rebranchez-le.

2 Maintenez enfoncé **■** et appuyez sur POWER.

Tout ce qui a été mémorisé après l'achat est effacé.

Spécifications

UNITÉ PRINCIPALE

TUNER

Plage d'accord FM 87,5 MHz à 108 MHz
Sensibilité utilisable FM (IHF) 13,2 dBf
Bornes d'antenne FM 75 ohms (déséquilibré)
Plage d'accord AM 530 kHz à 1710 kHz (étapes de 10 kHz)

531 kHz à 1602 kHz
(étapes de 9 kHz)

350 µV/m

Sensibilité utilisable AM

Antenne AM

Antenne cadre

AMPLIFICATEUR

Sortie de puissance

12 W + 12 W (50 Hz - 20 kHz, THD moins de 1%, 6 ohms)

15 W + 15 W (1 kHz, THD moins de 10%, 6 ohms)

Distorsion harmonique totale 0,05% (6 W, 1 kHz, 6 ohms, DIN AUDIO)

Entrée

VIDEO/AUX: 600 mV

Sorties

SPEAKERS: accepte des enceintes de 6 ohms ou plus

PHONES: accepte des écouteurs de 16 ohms ou plus

SUPER WOOFER: 0,85 V

Prises DIGITAL OUT (OPTICAL)

Prise LINE OUT

LECTEUR CD

Laser

Laser Semi-conducteur
($\lambda = 780$ nm)

Convertisseur N-A

1 bit double

Rapport signal/circuit

85 dB (1 kHz, 0 dB)

Distorsion harmonique

0,08% (1 kHz, 0 dB)

Pleurage et scintillement

Non mesurable

GÉNÉRALITÉS

Alimentation secteur 120 V secteur, 60 Hz
Consommation 45 W
Consommation en mode d'attente 0,7 W (mode ECO activé)
13 W (mode ECO désactivé)
Dimensions (L x H x P) 100,0 x 205,0 x 292,5 mm
Poids de l'unité principale 3,5 kg

SYSTÈME ENCEINTE

Système d'enceintes 2 voies, bass reflex (protégé magnétiquement)

Appareils d'enceintes Enceinte de basses: cône de 85 mm
Enceinte d'aigus: cône de 22 mm

Impédance 6 ohms

Dimensions (L x H x P) 100 x 210 x 185 mm

Poids 1,5 kg

Les spécifications et l'apparence externe sont sujettes aux changements sans notice.

SYSTÈME BBE

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