Mini Hi-Fi Component System
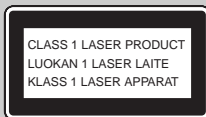# JAX-N5

OPERATING INSTRUCTIONS

En (English)

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.
To avoid electrical shock, do not open the cabinet.
Refer servicing to qualified personnel only.

> Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT

This appliance is classified as a CLASS 1 LASER product.

This marking is located on the rear exterior.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

NL

Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.

PRECAUTIONS

On operating voltage
Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

On safety
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the component, unplug the stereo system and have the component checked by qualified personnel before operating it any further.
- The AC power cord must be changed only at a qualified service shop.

On placement
- Place the unit in a location with adequate ventilation to prevent heat build-up the unit.
- Do not place the unit in an inclined position.
- Do not place the unit in locations where it is;
  - Extremely hot or cold
  - Dusty or dirty
  - Very humid
  - Vibrating
  - Subject to direct sunlight.

On heat buildup

- Although the unit heats up during operation, this is not malfunction.
- Place the unit in a location with adequate ventilation to prevent heat build-up in the unit.

If you continuously use this unit at a large volume, the cabinet temperature of the top, side and bottom rises considerable. To avoid burning yourself, do no touch the cabinet.

On operation

- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the system will not operate properly. Remove the CD and leave the system turned on for about an hour until the moisture evaporates.
- When you move the system, take out any discs.

Notes on discs

- Discs recorded on CD-R/RW drives may not be played back because of scratches, dirt., recording condition or the drive's characteristics.
- CD-R/RW discs which are not finalized at the end of recording cannot be played back.
- Do not attach adhesive label, etc. to either side of a CD-R/RW disc, as doing so may cause malfunction.
- Do not load an unrecorded CD-R/RW disc. The disc may be damaged.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- DVD, SACD, and VCD cannot be played on this unit.

Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

If you have any questions or problems concerning your stereo system, please consult your nearest Aiwa dealer.
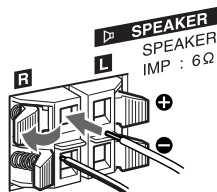
TABLE OF CONTENTS

PREPARATIONS

Connection

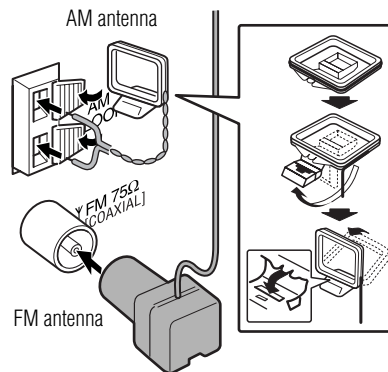*Plug in the AC power cord to the AC power outlet after all other connections are made.*

1 Connect the front speakers.

Connect the right front speaker (marked with "R") to the SPEAKER R terminals and place it on the right side of the unit. Connect the left (marked with "L") to the SPEAKER L terminals and place it on the left side. The speaker cords with the black stripes go to the ⊖ terminals.

2 Connect the supplied antennas.

Connect the FM antenna to the Y FM 75 Ω terminal and the AM antenna to the AM LOOP terminals.
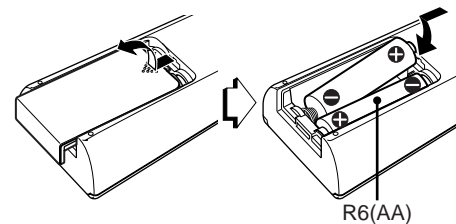
AM antenna

FM antenna

3 Connect the AC power cord to a wall outlet.

When the AC power cord is connected to a wall outlet for the first time, DEMO appears in the display.
To deactivate the DEMO, press ◄► (►/◄► on the remote).

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

Remote

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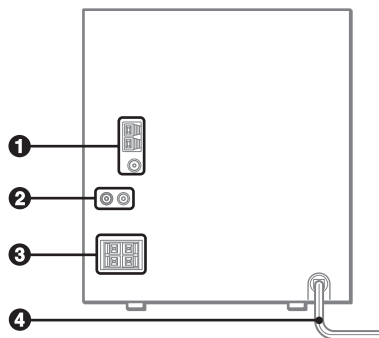
R6(AA)

- Replace the batteries with new ones when the operational distance between the remote 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 may not operate if it is used under intense sunlight, etc., or if its line of sight is obstructed.

PARTS AND CONTROLS

Main unit: rear

Refer to the pages indicated in parentheses for details.

❶ **AM LOOP, Y FM 75 Ω terminals (4)**

Plug in the supplied AM and FM antennas here.

❷ **VIDEO/AUX jacks**

Accepts analog sound signals from external equipment. Connect using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack). Refer also to the operating instructions of your equipment. To switch function to external input, press VIDEO/AUX.

Tip:

To change the displayed name for this function, turn the unit on, then hold down VIDEO/AUX and press POWER on the unit. Repeat the procedure to select "VIDEO", "AUX" or "TV".
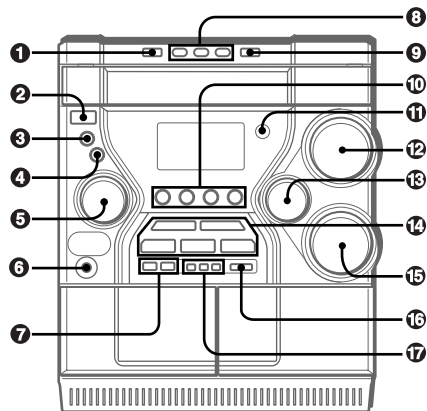
❸ **▷ SPEAKER terminals (4)**

Connect the speaker cord of the supplied front speakers here.

❹ **AC power cord (4)**

Main unit: front

Refer to the pages indicated in parentheses for details.

① DISC CHANGE (10)
Rotates the CD trays.

② POWER ⏻STANDBY/ON (8)
Switches the unit on and off (standby).
The red indicator flashes when receiving a signal from the remote.

③ MODE (8-12, 16, 19)
Selects various modes (ECO and Repeat/Shuffle/Programmed playback, etc.) when used in combination with ENTER and MULTI JOG.

④ ENTER (8-12, 14-16, 19-21)
Fixes the modes and the time (ECO, Repeat/Shuffle/Programmed playback, clock, and timer, etc.) when used in combination with ENTER and MULTI JOG.

⑤ MULTI JOG (8-12, 14-21)
When used in combination with ENTER and MULTI JOG,
CD: selects a track and Repeat/Shuffle/Programmed playback.
Tuner: selects a preset station.
Tape: selects a reverse mode and specifies tape length.
Clock and Timer: sets the time.
i-Bass: selects a frequency range.
Spectrum analyzer, ECO and Dimmer: selects the mode.

⑥ PHONES jack
Plug in here an optional headphones set with a mini stereo plug (ø3.5 mm). Speaker output is canceled.

⑦ SYNC DUB (17)
Starts dubbing a whole tape.
●REC/REC MUTING (16, 17)
Starts recording.

⑧ DISC DIRECT PLAY 1-3 (10)
Selects a disc.

⑨ ⏏OPEN/CLOSE (10)
Opens or closes the disc compartment.

⑩ TAPE A/B (16)
Selects Tape function, and deck A or B.
TUNER/BAND (14)
Selects Tuner function and the radio band.
VIDEO/AUX (5)
Selects the function of external equipment connected to VIDEO/AUX jacks.
CD (10)
Selects CD function.

⑪ Remote sensor
Receives a signal from the remote.

⑫ VOLUME (8)
Adjusts the volume.

⑬ TREBLE (19)
Enhances high frequency sound.

⑭ ◄►DIR (TAPE B) /PRESET (8, 10-12, 14, 16)
When the unit is turned off: activates or deactivates DEMO.
CD and Tape: starts playback.
Tuner: tunes into a preset station.
■STOP/CLEAR (10, 11, 14, 16-18)
CD and Tape: stops playback.
Tuner: clears a station preset.
◄◄ TUNING DOWN, ►► TUNING UP (10, 14, 16)
CD: searches a track in fast forward or fast reverse playback when held down.
Tape: fast forwards or rewinds the tape.
Tuner: manually tunes down or up within the band.
❚❚PAUSE/SET (10, 14, 16)
CD and Tape: pauses playback.
Tuner: stores the received station in to preset.

⑮ BASS (19)
Emphasizes low frequency sound.

⑯ i-Bass (19)
Produces rich and clear low frequency sound.

⑰ DISPLAY (9, 10)
Displays the time and the remaining time for CD.
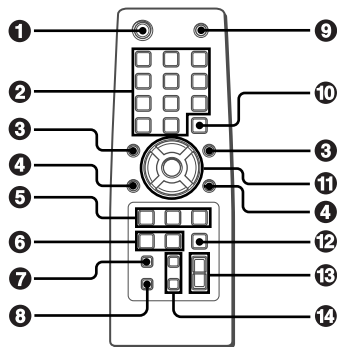**ALBUM ▼, ▲ (12)**
Selects a previous album or a succeeding album with MP3-CDs.
PTY (15)
Displays a program type for RDS (Radio Data System)

Remote control

Refer to the pages indicated in parentheses for details.

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

❶ POWER (8)

❷ 1-0/10, +10 (10-12, 14)
CD: selects a CD track of the specified number.
Tuner: tunes in to the station with the specified preset number.

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

EDIT (17, 18)
Enters AI Edit Recording or Programmed Edit Recording mode when pressed in stop mode.

BAND (14)
Selects Tuner function and the radio band.

TAPE A/B (16)

SPECTRUM (8)
Changes the spectrum analyzer display.

TUNER MODE (15)
Switches between stereo or monaural FM reception.

❸ ⏮, ⏭ (9-11, 14, 15, 17-21)
CD: selects a track.
Tuner: selects a preset station.
Tape: specifies tape length.
BASS and TREBLE: adjusts the level.
Clock and Timer: sets the time.

❹ ALBUM ∨, ∧ (12)
Selects a previous album or a succeeding album.

❺ PLAY MODE (11, 16)
CD: selects Shuffle, Programmed playback, etc.
Tape: selects a reverse mode (deck B only).

REPEAT (10)
Enters CD repeat playback mode.

ENTER (8-12, 14, 19-21)

❻ CLOCK/TIMER/SET (9, 20, 21)
Enters timer setting mode.

CLOCK/TIMER/SELECT (20, 21)
Selects timer playback, timer recording or timer off.

❼ DISPLAY (9, 10)

❽ SHIFT
Hold down when pressing a numbered button to change its function to that printed above the number.
e.g.)
"Press **SHIFT+BAND** on the remote" indicates "Hold down SHIFT and press '2' (BAND)". Doing so makes you be able to select Tuner function and the radio band.

❾ FUNCTION
Switches the active function among CD, TAPE, TUNER and VIDEO (AUX or TV).

❿ DISC SKIP (10)
Select a disc.

⓫ ▶/◀▶ (8, 10-12, 16)
When the unit is turned off: activates or deactivates DEMO.
CD and Tape: starts playback.

■ (10, 11, 16-18)
CD and Tape: stops playback.

◀◀,▶▶ (10, 14, 16)
CD: searches a track in fast forward or fast reverse playback when held down.
Tape: fast forwards or rewinds the tape.
Tuner: manually tunes down or up within the band.

❙❙ (10, 16)
CD and Tape: pauses playback.

⓬ SLEEP (20)
Switches the sleep-timer on/off and selects the duration.

⓭ VOLUME (＋, －) (8)
Adjusts the volume.

⓮ SOUND (19)
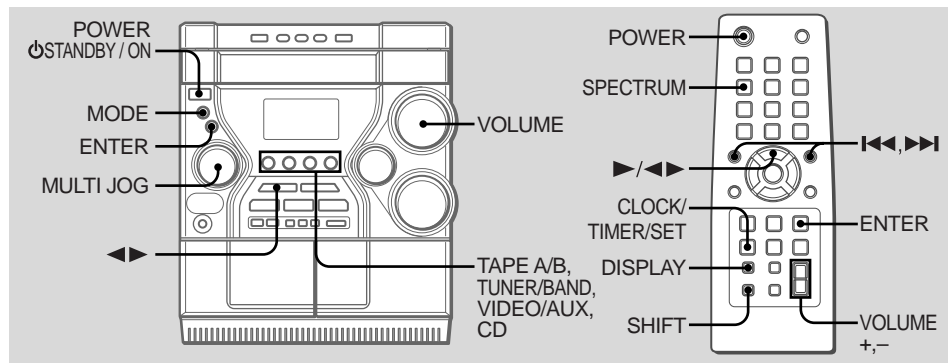Selects BASS or TREBLE setting mode

CLEAR (11, 14)
Clears a track of the CD programmed playback and a Radio preset station.

> **Note**
> The button not explained above (**KARAOKE**) does not operate for this unit.

7

ADJUSTMENTS BEFORE OPERATIONS

Power

Turning the unit on

Press POWER ⏻STANDBY/ON (POWER on the remote).
Pressing TAPE A/B, TUNER/BAND, VIDEO/AUX or CD also turns the unit on (Direct Play Function.) When a disc or tape is inserted, the playback will start automatically.

Turning the unit off

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

Volume

Turn VOLUME (Press VOLUME +, — on the remote).
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 17 or more, it is automatically set to 16 the next time the unit is turned on.

DEMO

You can enjoy DEMO in the display when the unit is turned off.

To activate or deactivate the DEMO

Press ◄► (►/◄► on the remote) when the unit is turned off.

Spectrum analyzer display

You can change the spectrum analyzer display.

1 Press MODE repeatedly until "SPECTRUM?" appears in the display when the unit is turned on and then press ENTER.

2 Turn MULTI JOG to select one of the three spectrum analyzer displays (PATTERN 1, 2 and 3).
If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.

On the remote, press SHIFT+SPECTRUM repeatedly.

ECO mode

Saves the power consumption while the unit is turned off (in standby mode).

1 Press MODE repeatedly until "ECO MODE?" appears in the display and then press ENTER.

2 Turn MULTI JOG to select "ECO ON" and then press ENTER.

In the ECO ON mode, the unit blacks out when the unit is turned off. Only the red indicator on POWER button lights up.

If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.

To cancel the ECO mode
Repeat the above and select "ECO OFF" in step 2.

Dimmer

Adjusts the brightness of the display.

1 Press MODE repeatedly until "DIMMER ?" appears in the display when the unit is turned on and then press ENTER.

2 Turn MULTI JOG to select one of the three dimmer modes or "OFF" and then press ENTER.
"OFF" is the brightest and "DIMMER 3" is the dimmest.
In DIMMER 3 mode, the spectrum analyzer display does not appear.

If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.

To cancel the dimmer
Repeat the above and select "OFF" in step 2 .

Setting the clock

Use the remote.

1 Press CLOCK/TIMER/SET.
Go to step 3 when the time appears and the 'hour' flashes.

2 Press ◄◄ or ►►I repeatedly until "CLOCK SET" appears in the display and then press ENTER.

3 Press ◄◄ or ►►I repeatedly to set the hour and then press ENTER.

4 Press ◄◄ or ►►I repeatedly to set the minute and then press ENTER.
The time display stops flashing and the clock starts from 00 seconds.

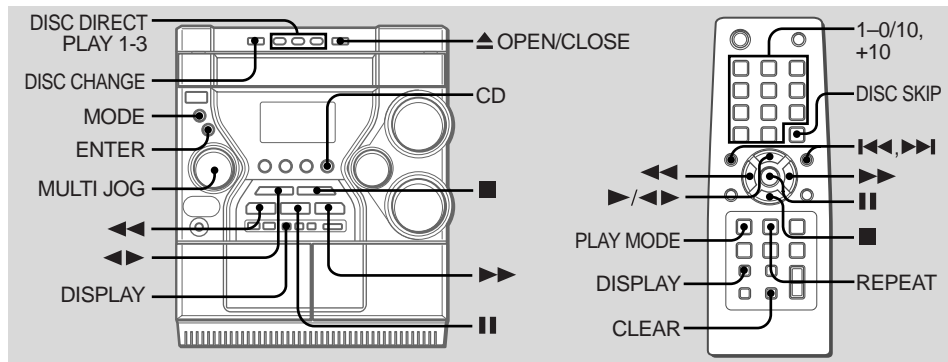• MULTI JOG is also available in place of ◄◄ or ►►I.

To display the time
Press DISPLAY on the remote. The time will be displayed for 6 seconds.

If "- -:- -" appears when the unit is turned off
There has been a power interruption. Re-set the clock.

CD OPERATIONS

DISC DIRECT PLAY 1-3
DISC CHANGE
MODE
ENTER
MULTI JOG
◄◄
◄▶
DISPLAY
▲OPEN/CLOSE
CD
■
▶▶
II

1–0/10, +10
DISC SKIP
I◄◄,▶▶I
◄◄
►►
►/◄►
II
PLAY MODE
DISPLAY
CLEAR
■
REPEAT

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

Playback

1 Press CD and load disc(s).
Press ▲OPEN/CLOSE to open the disc compartment and place one or two disc(s) with the labelled side up.
To place three discs, press DISC CHANGE so that the trays rotate, then place the third one. Lastly, close the compartment with ▲OPEN/CLOSE.
• When loading an 8-cm (3-inch) disc, place it on the inner circle of the tray.

2 To play all discs, press ◄▶ (►/◄► on the remote), then "ALL DISCS" lights up in the display.
To play one desired disc, press DISC DIRECT PLAY 1-3, then "1 DISC" lights up in the display.

A playing disc indicator flashes in the display.

To stop playback
Press ■.

To pause playback
Press II. Press again to resume playback.

To select a track
Turn MULTI JOG or press I◄◄ or ►►I on the remote repeatedly.
With the numbered buttons on the remote,
- To select track 10, press 0/10.
- To select track 20, press +10, +10 and 0/10.
- To select track 25, press +10, +10 and 5.

To search (playback in fast forward or fast reverse)
Hold down ◄◄ or ►►. Release at the desired point.

To select a disc
Press DISC DIRECT PLAY 1-3 or DISC SKIP on the remote.

To display the remaining time of the track or the disc
Press DISPLAY repeatedly during playback.
The display changes cyclically as follows:
→ Track number and elapsed playing time of the current track
Track number and remaining time of the current track
Remaining time of the current disc
└ Clock display (for 6 seconds)

To replace disc(s) during playback without interruption
While one disc is being played back, press DISC CHANGE so that the compartment opens, replace disc(s) with other one(s), and press DISC CHANGE to close the compartment.

Repeat playback

Plays all the tracks or one track on the discs repeatedly.

1 Press MODE repeatedly until "REPEAT?" appears in the display and then press ENTER.

2 Turn MULTI JOG to select one of the two repeat modes as below or "REPEAT OFF", and then press ENTER.
- "REPEAT ALL":
For all the tracks on one desired disc or all discs up to 5 times. "⤾" lights up.
- "REPEAT 1":
For a single track only. "⤾1" lights up.

If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.

3 To play one desired disc, press DISC DIRECT PLAY 1-3.
To play all discs, press ◄▶ (►/◄► on the remote).

On the remote, press REPEAT repeatedly until "⤾" or "⤾1" appears and carry out step 3.

To cancel repeat playback
Carry out step 1 and 2, and select "REPEAT OFF" in step 2.
On the remote, press REPEAT repeatedly until "⤾" and "⤾1" disappear.

10

Shuffle playback

Plays the tracks on one desired disc or all discs in random order.

1 Press MODE repeatedly until "PLAY MODE?" appears in the display in stop mode and then press ENTER.

2 Turn MULTI JOG to select "SHUFFLE" and then press ENTER.
"SHUF" lights up.

If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.

3 To play one desired disc, press DISC DIRECT PLAY 1-3.
To play all discs, press ◄► (►/◄► on the remote).

On the remote, press PLAY MODE repeatedly until "SHUF" lights up and carry out step 3.

To cancel shuffle playback
Carry out step 1 and 2, and select "CONTINUE" in step 2. On the remote, press PLAY MODE repeatedly until "SHUF" and "PGM" disappear.

Programmed playback

Plays back up to 30 selected tracks in programmed order.

1 Press MODE repeatedly until "PLAY MODE?" appears in the display in stop mode and then press ENTER.

2 Turn MULTI JOG to select "PROGRAM" and then press ENTER.
"PGM" lights up.

If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.

3 Press DISC DIRECT PLAY 1-3 to select a disc.
Go to the next step when the tray stops rotating.
On the remote, press DISC SKIP.

4 Turn MULTI JOG to select a track and then press ENTER.
The selected track number and the program number appear in the display.
On the remote, press I◄◄ or ►►I and then press ENTER or press the numbered buttons:
-To select the 10th track, press 0/10.
-To select the 20th track, press +10, +10 and 0/10.
-To select the 25th track, press +10, +10 and 5.

5 Repeat step 3 and 4 to program other tracks.

6 Press ◄► (►/◄► on the remote).

On the remote, press PLAY MODE repeatedly until "PGM" lights up and carry out step 3 to 6.

- During programmed playback, you cannot select a disc or a track with the numbered buttons.
- If the total playback time of the program exceeds 99:59 minutes, 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 clear a track
Press CLEAR on the remote in stop mode. A track is cleared from the end of the program.

To clear the entire program
Press ■ in stop mode.

To add tracks to the program
Repeat step 1 to 4 before starting playback. The tracks are added to the end of the program.

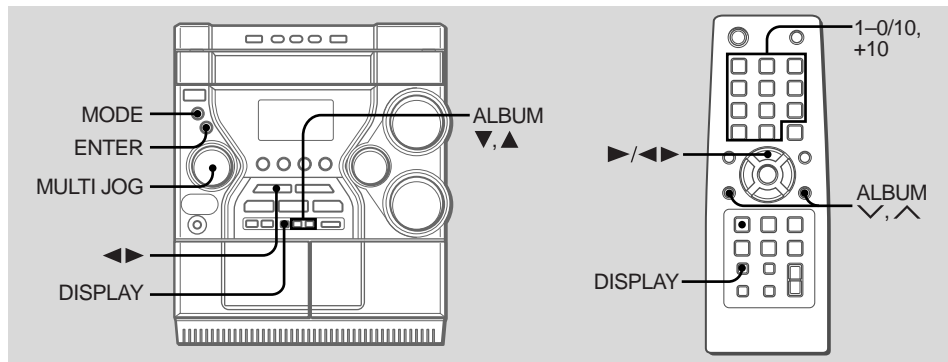**To cancel programmed playback**
Carry out step 1 and 2, and select "CONTINUE" in step 2. On the remote, press PLAY MODE repeatedly until "PGM" and "SHUF" disappear.

- The program contents are retained even if the program is canceled or after programmed playback finishes. The same program plays back if you carry out step 1, 2 and 6.
- If you cancel programmed playback and then select an MP3-CD, the program for the previously selected disc will be cleared.

Notes on CDs
- Do not place more than one disc on one tray.
- Do not tilt the unit with discs loaded.

11

Playback

This unit plays back MP3-CDs: discs recorded with MP3 tracks (files). (When MP3-CD is selected, "MP3" appears in the display.) Basic operations for MP3-CDs are mostly the same as those in "CD OPERATIONS". This section explains MP3-CD OPERATIONS where there is additional information or exceptions to the information in "CD OPERATIONS". Before playing an MP3-CD, also refer to "Descriptions of MP3" for the details of MP3.

To select an album

Press ALBUM ▲ or ▼ (∧ or ∨ on the remote).

To select a track

It is convenient to select an album first and then select a track. If the album or the disc with no album has more than 99 tracks, press the numbered buttons on the remote in the following way to select the 100th track or more.
- To select the track 100, press +10 ten times, and 0/10.
- To select the track 147, press +10 fourteen times, and 7.
- To select the track 235, press +10 twenty-three times, and 5.

Disc playback and Album playback

1 Press MODE repeatedly until "**PLAY MODE?**" appears in the display in stop mode and then press ENTER.
2 Turn MULTI JOG to select one of the following modes and then press ENTER.
   - **CONTINUE**: Tracks in the disc(s) are played.
   - **ALBUM CONT**: Tracks only in one album are played.
   If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.
3 Press ◀▶ (▶/◀▶ on the remote).

Shuffle playback

1 Press MODE repeatedly until "**PLAY MODE?**" appears in the display in stop mode and then press ENTER.
2 Turn MULTI JOG to select one of the following modes and then press ENTER.
   - **SHUFFLE**: Tracks in the disc are played in random.
   - **ALBM SHUF**: Tracks only in one album are played in random..
   If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.
3 Press ◀▶ (▶/◀▶ on the remote).

Tip:
- In shuffle playback for MP3-CDs, only one disc is playable. Select a disc before carrying out the procedures.
- To cancel it or to use the remote for it, see "Shuffle playback" of "CD OPERATIONS".

Programmed playback

1 Press MODE repeatedly until "**PLAY MODE?**" appears in the display in stop mode and then press ENTER.
2 Turn MULTI JOG to select "**PROGRAM**" and then press ENTER. "**PGM**" lights up.
   If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.
3 Select an album and a track.
4 Repeat step 3 to program other tracks.
5 Press ◀▶ (▶/◀▶ on the remote).

Tip:
- In programmed playback for MP3-CDs, only one disc is selectable. Select a disc before carrying out the procedures.
- To cancel it, to use the remote for it, etc., see "Programmed playback" of "CD OPERATIONS".
- If you cancel programmed playback and then select another disc, the program for the previously selected disc (MP3-CD) will be cleared.

To display the title of the album and track in the display

Press DISPLAY during playback.
The display changes in the following order:
→ Elapsed playing time of the current track
  Album name* of the current track
  The current track (file) name
  ID3 information* (track title, artist name, etc.,)
→ Clock display (for 6 seconds)
* Album name and ID3 information (see the next page) are not displayed if they are not registered.

Descriptions of MP3

An MP3 file stores audio data compressed using MPEG1/2, the audio layer-3 file-coding scheme.

In this manual, CDs, CD-R discs and CD-RW discs are all referred to as "discs". We refer to what are called "folder" and "file" in PC terminology as "album" and "track".

Notes on playing MP3 files

- An MP3 track must be recorded on a disc in the format compliant with ISO 9660.
- The maximum allowable number of tracks and albums in a disc are as follows:
  - number of tracks: 510 (including number of albums)
  - number of albums: 510 (including number of tracks)
- The maximum allowable depth of nested albums is 8 (including root folder (origin folder)).
- It may take 30 seconds or more before the unit can start play of MP3 tracks, depending on the number of recorded tracks and the complexity of the album tree.
- The unit supports a multi-session disc; however, for a multi-session disc mixed with CD-DA tracks and MP3 tracks, it plays only one session.
- The unit cannot play MP3 tracks recorded using a packet writing utility.
- The unit can play MP3 tracks having a file extension ".mp3".
- If you play a non-MP3 track that has the ".mp3" file extension, you may hear some noise.

Notes on display indications during play

- Up to 16 characters (in ASCII code) are displayed for the title of an album or a track. If ID3TAG version 1.X was applied to record additional information for an MP3 track, up to 30 characters showing track title, etc. is displayed. However, if information of ID3TAG version 2.X are also recorded in the same MP3 track, the track title of ID3TAG is not displayed. Characters other than uppercase letters ("A" to "Z") and numerals ("0" to "9") may not be displayed correctly.

- The elapsed playing time may not be displayed correctly for MP3 tracks.
- The character codes which cannot be represented in ASCII code are displayed as " ⌴ ".
- The unit does not support MP3 tracks (file) recorded with UNIX system.

Terminology

- ISO 9660

  ISO stands for the "International Organization for Standardization". ISO 9660 determines the file structure for the CD-ROMs. This unit can play MP3 files recorded in the format compliant with ISO 9660.

- Nesting of folders (albums)

  To organize data files stored in a PC, you can store related files in a folder. A folder can contain other folders as well as files. For example, folder A can contain folder B, and folder B can contain folder C; this is called "nesting of folders". The maximum depth of nested folders, allowed by ISO 9660, is 8.

- Writing utilities

  There are 3 utilities used to record data on a disc.

  1. DAO (Disc At Once) utility

     All data to be written must be prepared in advance and written onto a disc from the beginning to the end in one operation. No data can be added to a disc on which data were already written with DAO utility.

  2. TAO (Track At Once) utility

     Data are written onto a disc track by track. Data can be added to a disc on which data were written with TAO utility.

  3. Packet writing utility

     Tracks are divided into smaller pieces while being recorded, depending on the size of available spaces on the disc. Data can be added to a disc on which data were written with packet writing utility.

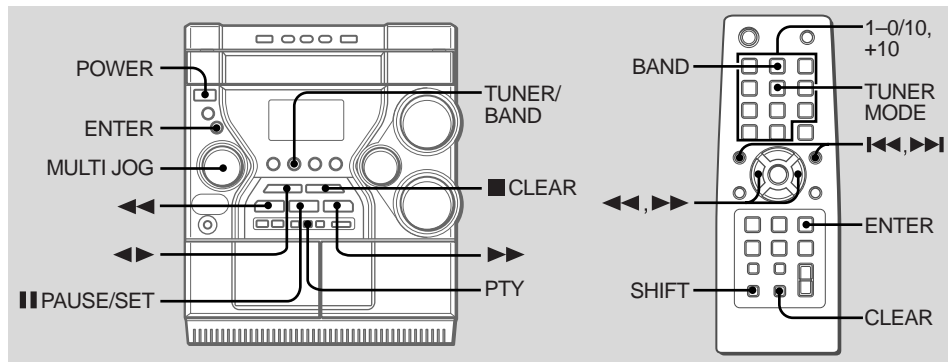   This unit can play MP3 discs recorded using DAO and TAO utilities.

- ID3TAG

  ID3TAG determines the data format for the text to be added to an MP3 file, mainly used to indicate a track title or an artist's name, etc.

Notes on creating MP3 discs

- When converting audio data to MP3

  The unit supports MP3 files with a sampling frequency of 32 kHz, 44.1 kHz or 48 kHz.

  To enjoy high sound quality, we recommend storing MP3 files with a sampling frequency of 44.1 kHz and a fixed bit rate of 128 kbps. The assured bit rate range for sound quality on the unit is 8 kbps to 160 kbps.

- When creating MP3 discs

  Do not store more than 510 albums in a disc. Also, keep the total number of albums and tracks 510 or less in a disc.

13

TUNER OPERATIONS

Manual tuning

1 Press TUNER/BAND (SHIFT+BAND on the remote) repeatedly to select a band (FM or AM).

2 Press ◄◄ or ►► to tune in to a station.
"TUNE" appears 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 up or down the band and stops at reception.
To stop the search manually, press ◄◄ or ►►.

• Auto Search may not stop at stations with weak signals.

Preset tuning

Preset your favorite stations and tune them in directly.

Presetting stations

1 Press TUNER/BAND to select a band.

2 Press ◄◄ or ►► to tune in to the desired station.

3 Press ENTER (or ❚❚ PAUSE/SET on the unit) to store the station.
The preset number, beginning from "1", appears in the display.

4 Repeat step 1 to 3 to preset other stations.

• You cannot store more than a total of 32 preset stations. "FULL" appears.

Tuning in to preset stations

On the unit
1 Press TUNER/BAND to select a band.

2 Press ◄► repeatedly or turn MULTI JOG.
With each press, the station with the succeeding preset number is tuned in.

On the remote
1 Press SHIFT+BAND to select a band.

2 Press the numbered buttons for the preset number of your desired station.
- To select preset number 10, press 0/10.
- To select preset number 15, press +10 and 5.
- To select preset number 20, press +10, +10 and 0/10.
• Pressing I◄◄ or ►►I repeatedly can also select the preset number.

To clear a preset station
1 Tune in to the station by preset tuning.
2 Press ■CLEAR on the unit (CLEAR on the remote), then press ENTER within 6 seconds.
Preset numbers of preset stations in the band with higher numbers decrease by one.

RDS features

RDS (Radio Data System) is a broadcasting service which allows FM stations to send additional information along with the regular radio signal.

The additional information is derived from the features of RDS described below.

Program Service station name (PS)

The station name is displayed automatically when an RDS station is tuned in.

Program Type (PTY)

This is an identification to specify the program being broadcast currently.

Press PTY to display a program type when tuning in to an RDS station.

The program type will be displayed for 6 seconds.

If no PTY data or undefined PTY data is being transmitted, "NO PTY" or "UNDEFINE" will be displayed.

The following PTYs can be received on the unit

NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M, ROCK M, EASY M (easy listening music), LIGHT M (light classical music), CLASSICS, OTHER M (other music), WEATHER, FINANCE, CHILDREN (children's program), SOCIAL (social affairs), RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY (country music), NATION M (national music), OLDIES, FOLK M, DOCUMENT, TEST (alarm test), ALARM.

PTY Search

The unit can search for a station broadcasting your desired PTY easily. To do so, you need to preset every available station in advance since the unit searches only the preset stations.

1 Press PTY.

2 Turn MULTI JOG or press ◄◄ or ►►| on the remote to select a desired program type and then press ENTER.

The search begins, stops when a suitable station is detected, and the unit tunes it in.

"NOT FOUND" is displayed if a suitable station is not found, and the unit returns to the previous station.

If there is no button input for 6 seconds in step 2, the search is not activated.

Note on PTY Search

PTY Search does not function under the following conditions:

- FM stations are not preset.
- The signals of the station broadcasting the desired PTY are weak.
- FM RDS stations cannot be received.

Adjustments

Antennas

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

FM antenna: Extend fully and position for the best reception. If receiving condition is poor, connect optional outdoor antenna to Y FM 75 Ω terminal. Use an adapter as required.
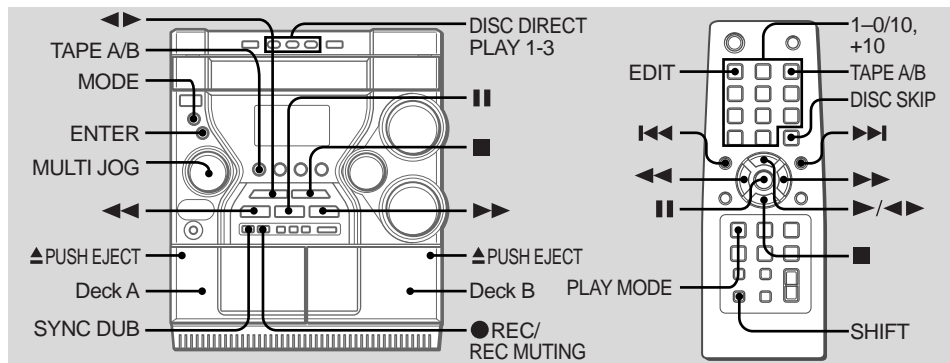
AM antenna: Rotate to find best reception.

To switch to monaural FM reception

Press SHIFT+TUNER MODE on the remote. With each press, "MONO" and "STEREO" appear alternately in the display.

Tip:

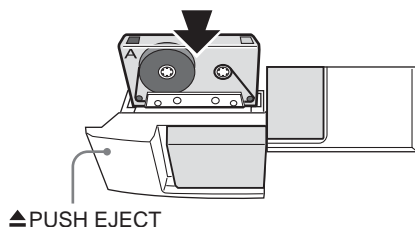When FM stereo reception is poor, switching to monaural reduces noise.

TAPE OPERATIONS

TAPE A/B
MODE
ENTER
MULTI JOG
◄◄
▲PUSH EJECT
Deck A
SYNC DUB

◄►
DISC DIRECT PLAY 1-3
II
■
►►
▲PUSH EJECT
Deck B
●REC/REC MUTING

EDIT
I◄◄
◄◄
II

1–0/10, +10
TAPE A/B
DISC SKIP
►►I
►►
►/◄►
■
PLAY MODE
SHIFT

Playback

Use only TYPE I (normal) tapes.

1 Press TAPE A/B (SHIFT+TAPE A/B on the remote) and insert the tape in either deck.
Press ▲PUSH EJECT to open the cassette holder, and insert with the exposed side down and playback side facing out from the unit. Push ▲PUSH EJECT to close.

▲PUSH EJECT

2 Press ◄► (►/◄► on the remote).

To stop playback
Press ■.

To pause playback (deck B only)
Press II. Press again to resume.

To fast forward or rewind
Press ◄◄ or ►►.

To change the playback side (deck B only)
Press ◄► in play mode.

To select a deck (deck A or deck B)
Press TAPE A/B (SHIFT+TAPE A/B on the remote) in stop mode when tapes are loaded in both decks.
"**TP A**" (deck A) or "**TP B**" (deck B) is displayed.

To reset the tape counter
Press ■ in stop mode, and the tape counter in the display is reset to "**0000**". Opening and closing the cassette holder will also reset the tape counter.

To play continuously (deck A to deck B)
Load tapes in both decks and start playback on deck A. Then, as soon as playback on deck A finishes, playback on deck B will start without interruption.

To select a reverse mode (deck B only)
1 Press MODE repeatedly to display "**REV MODE**", and then press ENTER within 6 seconds.
2 Turn MULTI JOG within 6 seconds to select one of the three reverse modes and then press ENTER.
- **REV ⊃**: Plays only one side
- **REV ⊃⊃**: Plays from the front side to reverse side once
- **REV (⊃⊃**: Plays both sides repeatedly (up to 5 times)

On the remote, press PLAY MODE repeatedly until the desired mode displays.

Notes on cassettes

• Use of a tape longer than 90 minutes is not recommended since they are extremely thin and easily damaged. If you should use it, do not change the tape operations such as play and stop frequently.
• Take up any slack in the tape with a pencil or similar tool before use. Slack tape may get entangled in the deck mechanism and become damaged.

Basic recording

Use only TYPE I (normal) tapes. Deck B is the recording deck. Only one side of the tape can be recorded at a time.

1 Insert the recordable tape in deck B.
Press ▲PUSH EJECT to open the cassette holder, and insert with the exposed side down and the side to be recorded on facing out from the unit.
Wind up the tape to the desired point if needed.

2 Selects a reverse mode with MODE, ENTER, and MULTI JOG.

3 Prepare the source.
To record CD(s), select the CD function and load disc(s).
To record a radio program, tune in to the desired station.
To record a tape, insert the source tape in deck A and select the TAPE (deck A) function.
To record from connected external equipment, select the VIDEO/AUX function and prepare the equipment.

16

4 Press ●REC/REC MUTING to start recording.

When recording a CD or tape, playback starts automatically.

When recording input from connected equipment, manually start playback of the source.

- Volume or tone adjustment does not affect recording.
- "**NO TAB**" is displayed if you attempt to record a tape with the tab broken off.

To stop recording
Press ■.

To pause recording (only for TUNER or VIDEO/AUX source)
Press ❙❙. Press again to resume.

To record a selected set of tracks from a CD
Program the desired tracks (see "Programmed playback") and then press ●REC/REC MUTING.

To record a 4-second blank space (only for TUNER or VIDEO/AUX source)
1 Press ● REC/REC MUTING during recording or in recording pause mode.

"**REC MUTING**" flashes in the display for 4 seconds (a blank space is made in the meantime) and then the unit enters recording pause mode.

To record less than a 4-second blank space, press ●REC/ REC MUTING again while "**REC MUTING**" flashes. Recording resumes so that do not carry out step 2 below.

To record more than a 4-second blank space, press ●REC/ REC MUTING again after the unit enters recording pause mode. Each time the button is pressed, a 4-second blank space is added.

2 Press ❙❙ to resume recording.

To erase a tape
1 Insert the tape in deck B. Set the tape to the desired point if needed.
2 Selects a reverse mode with MODE, ENTER, and MULTI JOG.
3 Press TAPE A/B to select "**TP B**".
4 Press ●REC/REC MUTING.

Whole tape dubbing

1 Press TAPE A/B to select the TAPE function.

2 Insert the original tape in deck A and the recordable tape in deck B.

3 Press SYNC DUB.

The tapes are rewound to the beginning of the front side and recording starts.

- Dubbing cannot start from a point halfway in the tape.
- The reverse mode is set to "⊃" automatically.
- Recording is impossible if the plastic tab on either side of the tape is broken off.

To stop dubbing
Press ■.

Edited CD recording

AI Edit Recording

When recording a whole CD, AI Edit Recording takes the length of your tape into account and rearranges the recording order of the tracks if necessary, so that no track is cut short at the end of the side. Prepare a tape long enough to record the CD.

1 Insert the recordable tape in deck B.

2 Select the CD function and load disc(s).

3 Press SHIFT+EDIT once on the remote.
"**AI C-00**" appears.

4 Press DISC DIRECT PLAY 1-3 to select a disc.
- DISC SKIP on the remote can also be used to select a disc.

5 Press the numbered buttons on the remote to enter the length of the recordable tape.
10 to 99 minutes can be specified.
- For a 60-minute tape press 6 and 0/10.
In a few seconds, the unit determines the tracks to be recorded for each side.
The recording time left for side A appears in the display.
- ◄◄ or ►►❙ on the remote or MULTI JOG can also be used to specify tape length.

6 Press ●REC/REC MUTING to start recording on side A.
The tape is rewound to the beginning of side A and recording starts. When recording on side A finishes, recording on side B starts.

- AI Edit Recording cannot be used with discs with more than 30 tracks. "**TR OVER**" appears.
- AI Edit Recording cannot be used with MP3-CDs.
- Recording cannot start from a point halfway in the tape.
- The reverse mode is set to "⊃" automatically.
- Recording is impossible if the plastic tab on either side of the tape is broken off.

To stop recording
Press ■. Recording and CD playback stop simultaneously.

To clear the edit program
Press ■ twice in stop mode.

Programmed Edit Recording

As you program the CD tracks to record, Programmed Edit Recording displays the remaining recording time for each side of the tape, so you can easily select a set of desired tracks within the length of your tape.

1 Insert the recordable tape in deck B.

2 Select the CD function and load disc(s).

3 Press SHIFT+EDIT <u>twice</u> on the remote.
"**PRGM C-00**" is displayed and "**PGM**" lights up.

4 Press the numbered buttons on the remote to enter the length of the recordable tape.
10 to 99 minutes can be specified.
● ►◄◄ or ►►► on the remote or MULTI JOG can also be used to specify tape length.

5 Press DISC DIRECT PLAY 1-3 to select a disc (only one disc is selectable).
Then, press the numbered buttons on the remote to select the first track to be recorded on side A.
- To select the 10th track, press 0/10.
- To select the 20th track, press +10, +10 and 0/10.
- To select the 25th track, press +10, +10 and 5.
● DISC SKIP on the remote <u>cannot</u> also be used to select a disc.

6 Repeat step 5 to select the rest of the tracks for side A.
The remaining recording time of side A is displayed. You cannot select a track with a longer playing time.

7 Press SHIFT+EDIT on the remote to switch to side B and select the tracks for the side.

8 Press ●REC/REC MUTING to start recording on side A.
The tape is rewound to the beginning of side A and recording starts.When recording on side A finishes, recording on side B starts.

● Programmed Edit Recording cannot be used with MP3-CDs.
● You cannot program more than 30 tracks. "**FULL**" is displayed.
● You cannot program a track with a track number larger than 30.
● Recording cannot start from a point halfway in the tape.
● The reverse mode is set to "⊃⊃" automatically.
● Recording is impossible if the plastic tab on either side of the tape is broken off.

To stop recording
Press ■ . Recording and CD playback stop simultaneously.

To check the program
1 Before recording, press SHIFT+EDIT on the remote to select side A or B.
2 Press ►◄◄ or ►►► on the remote repeatedly or turn MULTI JOG . The track number and program number are displayed in succession.
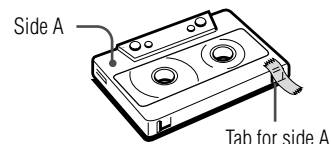
To change the program of each side
Press SHIFT+ EDIT on the remote to select side A or B, and press ■ to clear the program for the selected side. Then, select tracks again.
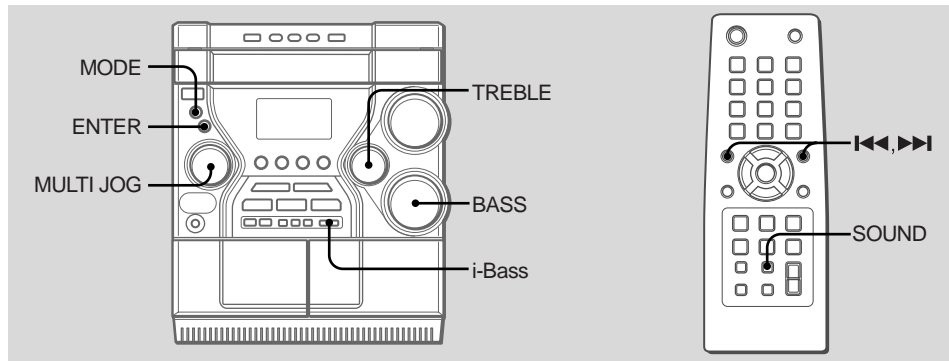
To clear the edit program
Press ■ twice in stop mode.

SOUND ADJUSTMENTS

BASS

Emphasizes low frequencies for a powerful sound.

Turn BASS to adjust from 0 to 5.

On the remote, press SOUND repeatedly until "BASS" appears in the display and then press I◄◄ or ►►I repeatedly within 6 seconds.

• When the sound becomes distorted with the BASS effect, cancel it.

TREBLE

Enhances high frequency for sound clarity.

Turn TREBLE to adjust from 0 to 5.

On the remote, press SOUND repeatedly until "TREBLE" appears in the display and then press I◄◄ or ►►I repeatedly within 6 seconds.

• When the sound becomes distorted with the TREBLE effect, cancel it.

i-Bass

Produces rich and clear low frequency sound besides BASS effect.

1 Press i-Bass to select "I-BASS ON".
The red indicator on i-Bass button lights up.

2 Turn BASS to adjust from 1 to MAX(5).

To select the frequency range for i-Bass effect
1 Press i-Bass to select "I-BASS ON".
2 Press MODE repeatedly until "IBAS FREQ?" appears in the display and then press ENTER.
3 Turn MULTI JOG to select one of the three frequency ranges (FREQ 1, 2 and 3).
   - FREQ 1: Low range
   - FREQ 2: Middle range
   - FREQ 3: High range

After step 3, adjust the i-Bass level by turning BASS if needed.
If there is no MULTI JOG or button operation within 6 seconds, the setting is canceled.

To cancel i-Bass
Press i-Bass to select "I-BASS OFF".

> **Note**
> When "I-BASS ON" is selected, BASS is deactivated; therefore, you cannot select "BASS" with SOUND on the remote. To activate BASS, cancel i-Bass.

TIMER OPERATIONS

Sleep timer

Turns off the unit automatically after a specified time.

Press SLEEP on the remote repeatedly.
With each press, the timer duration changes cyclically as follows:

"AUTO"* → "90" → "80" → - - - → "10" → "OFF"

The unit turns off after the selected time.
* "AUTO": The unit turns off when the current CD or tape finishes the playback (for up to 100 minutes).

Tip:
The display is dimmed while the sleep timer is active.

To check the remaining time until the unit turns off
Press SLEEP on the remote once. The remaining time is displayed for 6 seconds.

To cancel the sleep timer
Press SLEEP on the remote repeatedly until "SLEEP OFF" appears.

Timer playback

Turns on the unit at a specified time every day.
Make sure the clock is set correctly.
Use the remote from step 2.

1 Prepare the source.
   To play CD(s), load disc(s).
   To play the radio, select the band and tune in to the desired station or tune in to a preset station (see "Tuning in to preset stations").
   To play a tape, insert the tape and select the deck.

2 Press VOLUME +, − to set the volume level.

3 Press CLOCK/TIMER/SET to display "DAILY PLAY" and then press ENTER.
   "🕐" indicator lights up and "ON TIME" appears for a moment.
   If "DAILY PLAY" is not displayed, set the clock (see "Setting the clock") and carry out from this step again.

4 Press ◄◄ or ►► repeatedly to set the timer-on hour and then press ENTER.

5 Press ◄◄ or ►► to set the timer-on minute and then press ENTER.
   "OFF TIME" appears for a moment.

6 Repeat step 4 and 5 to set the timer-off hour and minute.

7 Press ◄◄ or ►► to select the source (CD, TAPE and TUNER) and then press ENTER.
   The timer-on time, the timer-off time and source are displayed.

8 Press POWER to turn the unit off.
   The unit turns on at the specified timer-on time and plays the selected source and then turns off at the specified timer-off time.

• To stop timer setting in step 3 to 6, press CLEAR on the remote. Timer standby mode is also canceled.
• The Timer playback will not begin unless the unit is turned off first.
• Turning VOLUME on the unit is also available in step 2.
• MULTI JOG is also available in place of ◄◄ or ►►.

To display the timer setting
Press CLOCK/TIMER/SELECT on the remote repeatedly until "DAILY PLAY" appears. The timer-on time, the timer-off time and the source are displayed.

To change the timer setting
Re-set the timer again.

To cancel the timer
Press CLOCK/TIMER/SELECT on the remote repeatedly until "TIMER OFF" appears. "🕐" disappears from the display.

Timer recording

Turns on the unit and makes recording once at a specified time.
Timer recording is available only for TUNER source.

Use the remote from step 3.

1 Prepare the TUNER source.
Select the band and tune in to the desired station or tune in to a preset station (see "Tuning in to preset stations").

2 Prepare the recording destination.
Insert the recordable tape in deck B.

3 Press CLOCK/TIMER/SET to display "DAILY PLAY".
If "DAILY PLAY" is not displayed, set the clock (see "Setting the clock") and carry out from this step again.

4 Press ◄◄ or ►►| repeatedly until "ONCE REC" appears in the display and then press ENTER.
"REC ⏰" indicator lights up and "ON TIME" appears for a moment.

5 Carry out step 4 to step 6 described in "Timer playback" to set the timer-on time and timer-off time.
The timer-on time, the timer-off time and source (TUNER) are displayed.

6 Press POWER to turn the unit off.
The unit turns on at the specified timer-on time and records the source (TUNER) and then turns off at the specified timer-off time.

- To stop timer setting in step 3 to 4, press CLEAR on the remote. Timer standby mode is also canceled.
- The Timer recording will not begin unless the unit is turned off first.
- Volume level is automatically set to 0 (minimum) when the Timer recording is activated.
- MULTI JOG is also available in place of ◄◄ or ►►|.

To display the timer setting
Press CLOCK/TIMER/SELECT on the remote repeatedly until "ONCE REC" appears. The timer-on time, the timer-off time and the source (TUNER) are displayed.

To change the timer setting
Re-set the timer again.

To cancel the timer
Press CLOCK/TIMER/SELECT on the remote repeatedly until "TIMER OFF" appears. "REC ⏰" disappears from the display.

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, benzine or thinner.

To clean the tape heads

Dirty tape heads cause sound deterioration. After every 10 hours of use, clean the tape heads by using sold dry-type or wet-type head cleaning cassette separately. Refer to the instructions of the cleaning cassette.

To demagnetize the tape heads

Use a sold demagnetizing cassette after every 20 to 30 hours of use. Refer to the instructions of the demagnetizing cassette.

Care of CDs

When a CD becomes dirty, wipe it from the center out with a cleaning cloth. However, do not use solvents. After playing a CD, store it in its case. Do not expose a CD to direct sunlight or heat sources.

Care of tapes

Store tapes in their cases after use. Do not leave tapes near magnets, motors, television sets, or any source of magnetism. Do not expose tapes to direct sunlight, or leave them in a car parked in direct sunlight.

Troubleshooting

If your unit fails to perform properly, check the following guide and the relevant sections of the Operating Instructions.
First, check that the AC power cord and the speakers are connected correctly and firmly.
Should any problem persist, consult your nearest Aiwa dealer.

General

There is no sound.
- Are the speakers and AC power cord connected properly?
- Turn VOLUME clockwise and hold.
- The headphones are connected.
- Insert only the stripped portion of the speaker cord into the SPEAKER terminal. Inserting the vinyl portion of the speaker cord will obstruct the speaker connections.

The unit shut off suddenly.
- Possibly a short circuit in the speaker terminals. Disconnect the AC power cord from the wall outlet and reconnect the speaker cords correctly. After a while, connect the AC power cord to the wall outlet.

The unit blacks out when the unit is turned off.
- ECO mode is set to on (see "ECO mode" on page 9).

Erroneous display.
- Reset the unit (see "Resetting the unit" on page 23).

There is severe hum or noise.
- A TV or VCR is placed too close to the stereo system. Move the stereo system away from the TV or VCR.

The clock indication does not show the correct time.
- A power interruption occurred. Set the clock and timer settings again.

The clock setting/radio presetting/timer is canceled.
- The AC power cord is disconnected or a power failure occurs longer than half a day.
  Redo the following:
  - "Setting the clock" on page 9
  - "Presetting stations" on page 14
  If you have set the timer, also redo "Timer playback/recording" on page 20 and 21.

The timer does not function.
- Set the clock correctly.
- When you used the Sleep timer, the Timer playback/recording will not turn on the unit until the Sleep timer turns it off.

The remote does not function.
- There is an obstacle between the remote and the unit.
- The remote is not pointing in the direction of the unit's remote sensor.
- The batteries have run down. Replace the batteries.

Speakers

Sound comes from one channel or unbalanced left and right volume.
- Check the speaker connection and speaker placement.

Sound lacks bass.
- Check that the SPEAKER's ⊕ and ⊖ terminals are connected correctly.

CD player

The disc compartment does not close.
- The CD is not placed properly.

The sound drops out.
- The lens is dirty. Clean it with a commercially available blower.

The CD will not play.
- The CD is not lying flat in the disc compartment.
- The CD is dirty.
- The CD is inserted label side down.
- Moisture condensation has built up. Remove the CD and leave the system turned on for about an hour until the moisture evaporates.

Tape Deck

The tape does not record.
- No tape in deck B.
- The tab has been removed from the cassette tape.
- The tape has reeled to the end.

The tape does not record nor play or there is decrease in sound level.
- The heads are dirty. Clean them (see "To clean the tape heads" on page 22).
- The record/playback heads are magnetized. Demagnetize them (see "To demagnetize the tape heads" on page 22).

The tape does not run.
- Is the deck in pause?

The tape does not erase completely.
- The record/playback heads are magnetized. Demagnetize them (see "To demagnetize the tape heads" on page 22).

There is excessive wow or flutter, or the sound drops out.
- The capstans or pinch rollers are dirty. Clean them (see "To clean the tape heads" on page 22).

Noise increases or the high frequencies are erased.
- The record/playback heads are magnetized. Demagnetize them (see "To demagnetize the tape heads" on page 22).

Poor tape sound.
- Use TYPE I (normal) tapes.

Tuner

Noise is heard or poor reception.
- Check the antenna connections.
- For FM, move the FM antenna to reduce the noise.
- For AM, re-rotate the AM antenna to reduce the noise.
- Move the unit and the antennas away from other electric appliances and cords.

Resetting the unit
If an unusual condition occurs in the display window or the cassette deck, 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.

23

Specifications

MAIN UNIT CX-JN5
TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	16.8 dBf
FM antenna terminal	75 ohms (unbalanced)
AM tuning range	531 kHz to 1602 kHz
AM usable sensitivity	350 µV/m
AM antenna	Loop antenna

AMPLIFIER

Power output	Rated: 64 W + 64 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500)
	Reference: 80 W + 80 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324)
	MUSIC POWER: 195 W +195 W
Total harmonic distortion	0.08 % (32 W, 1 kHz, 6 ohms, DIN AUDIO)
Input	VIDEO/AUX: 400 mV
Outputs	SPEAKER: 6 ohms or more
	PHONES: 32 ohms or more

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 8 kHz
Recording system	AC bias
Heads	Deck A: playback x 1
	Deck B: recording/playback x 1, erase x 1

CD PLAYER

Laser	Semiconductor laser (λ = 780 nm) Emission duration: continuous
D/A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)

GENERAL

Power requirements	230 V AC, 50/60 Hz
Power consumption	93 W
Power consumption in standby mode	With ECO mode on: 0.25 W
	With ECO mode off: 20 W
Dimensions (W x H x D)	280 x 330 x 392.5 mm
Weight	7.2 kg

FRONT SPEAKERS SX-JN5

Speaker system	3 way, bass reflex
Speaker units	Woofer: 140 mm cone x 2
	Tweeter: 60 mm cone
	Super tweeter: 20 mm ceramic
Impedance	6 ohms
Dimensions (W x H x D)	298 x 327 x 278 mm
Weight	5.1 kg

Supplied accessories

Remote commander (1)
Batteries (2)
FM antenna (1)
AM antenna (1)

Specifications and external appearance are subject to change without notice.

Sony Corporation   Printed in China   http://www.aiwa.com/