B

YAMAHA

CD RECEIVER

CRX-D430

Made for iPod

OWNER'S MANUAL

CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2 Install this unit in a well ventilated, cool, dry, clean place with at least 10 cm on the top, 10 cm on the left and right, and 10 cm at the back of this unit — away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold.

3 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.

4 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.

5 Avoid installing this unit where foreign object may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do not place:
   – other components, as they may cause damage and/or discoloration on the surface of this unit.
   – burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.
   – containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.

6 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.

7 Do not plug in this unit to a wall outlet until all connections are complete.

8 Do not operate this unit upside-down. It may overheat, possibly causing damage.

9 Do not use force on switches, knobs and/or cords.

10 When disconnecting the power cable from the wall outlet, grasp the plug; do not pull the cable.

11 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

12 Only voltage specified on this unit must be used. Using this unit with a higher voltage than specified is dangerous and may cause fire, damage to this unit, and/or personal injury. Yamaha will not be held responsible for any damage resulting from use of this unit with a voltage other than specified.

13 To prevent damage by lightning, keep the power cord and outdoor antennas disconnected from a wall outlet or this unit during a lightning storm.

14 Do not attempt to modify or fix this unit. Contact qualified Yamaha service personnel when any service is needed. The cabinet should never be opened for any reasons.

15 When not planning to use this unit for long periods of time (i.e. vacation), disconnect the AC power plug from the wall outlet.

16 Be sure to read the "Troubleshooting" section on common operating errors before concluding that this unit is faulty.

17 Before moving this unit, press **ⒶSTANDBY/ON** to set this unit to the standby mode, and disconnect the AC power plug from the wall outlet.

18 Condensation will form when the surrounding temperature changes suddenly. Disconnect the power cable from the outlet, then leave this unit alone.

19 When using this unit for a long time, this unit may become warm. Turn the power off, then leave this unit alone for cooling.

20 The batteries shall not be exposed to excessive heat such as sunshine, fire, or like.

21 Install this unit near the AC outlet and where the AC power plug can be reached easily.

22 Excessive sound pressure from earphones and headphones can cause hearing loss.

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this unit itself is turned off. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

CAUTION
The use of optical instruments with this product will increase eye hazard.

The laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

■ For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

■ Special Instructions for U.K. Model

IMPORTANT
THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL
Brown: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Make sure that neither core is connected to the earth terminal of the three pin plug.

Contents

INTRODUCTION

Controls on the front panel 2
Controls on the remote control 3

PREPARATION

Making preparations 4
Connecting speakers/an external component/antennas 4
Installing batteries in the remote control 5
Adjusting the clock 5

BASIC OPERATION

Basic operation of this unit 6
Turning on the power 6
Selecting an input source 6
Adjusting the volume level 6
Adjusting sounds 6
Listening through the headphones 6
Changing the brightness of the display 6
Setting a wake-up timer 7
Setting a sleep timer 7

ENJOYING PLAYBACK

Playback operations 8
Playing back discs 8
Repeat playback 9
Random playback 9
Program playback 9
Index search (Audio CD only) 10
Listening to your iPod™ 10
Switching the playback information display 11

ENJOYING RADIO

Listening to FM/AM broadcast 12
Selecting broadcast stations 12
Presetting broadcast stations automatically 12
Selecting preset stations 12
Editing the name of the preset radio stations 12
Receiving radio data system information 13
Listening to DAB broadcast 14
Listening to DAB stations 14
Advanced DAB operations 14
Switching the DAB information 15

APPENDIX

Troubleshooting 16
General 16
Disc playback 17
iPod™ playback 17
Radio reception 18
Remote control 18
Notes on discs 19
Disc information 19
Handling a disc 19
Glossary 20
Specifications 21

Features

- **Minimum RMS output power (6 Ω , 1 kHz, 0.1% THD) 25 W + 25 W**
- **iPod playback function**
- **Sophisticated DAB/FM/AM tuner**
- **Playability of music CDs and MP3/WMA discs**
- **Easy operation with multi jog dial**
- **Random and direct preset tuning**

■ Supplied accessories

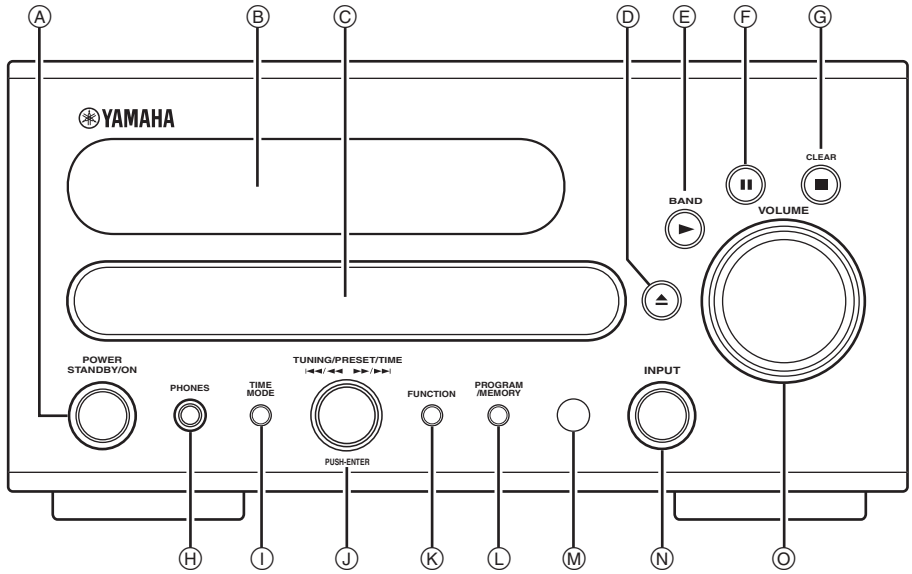
Before using this product, make sure you received all of the following accessories.

- ❑ **Remote control** (☞ P. 3)
- ❑ **Batteries (AAA, R03, UM-4) (x2)** (☞ P. 5)
- ❑ **Indoor FM antenna** (☞ P. 5)
- ❑ **AM loop antenna** (☞ P. 5)
- ❑ **Indoor DAB antenna** (☞ P. 5)

About this manual

- ☼ indicates a tip for your operation.
- Notes contain important information about safety and operating instructions.
- This manual is printed prior to production. Design and specifications are subject to change in part as a result of improvements, etc. In case of differences between the manual and the product, the product has priority.

Controls on the front panel



The circled alphabets (Ⓐ to Ⓞ) correspond to the ones in the operation descriptions.

Ⓐ **STANDBY/ON** (☞ P. 5, 6, 7)

Ⓑ **Display** (☞ P. 11, 15)

Ⓒ **Disc tray** (☞ P. 8)

Ⓓ **▲ (open/close tray)** (☞ P. 8)

Ⓔ **► (play), BAND** (☞ P. 6, 8, 9, 12, 14)

Ⓕ **II (pause)** (☞ P. 8)

Ⓖ **■ (stop), CLEAR** (☞ P. 8, 9, 10, 12, 13)

Ⓗ **PHONES jack** (☞ P. 6)

Ⓘ **TIME MODE** (☞ P. 5, 6, 7)

Ⓙ **Multi jog dial**

Ⓚ **FUNCTION** (☞ P. 6, 10, 12, 14, 15)

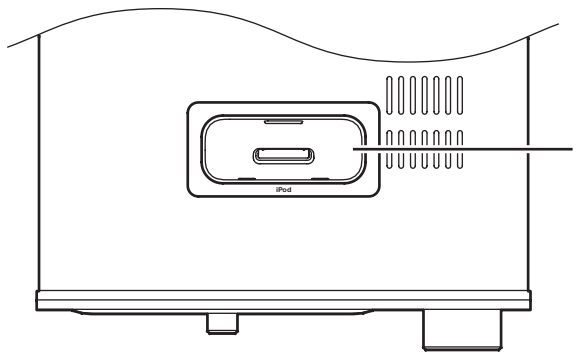
Ⓛ **PROGRAM/MEMORY** (☞ P. 9, 10, 12)

Ⓜ **Remote control sensor** (☞ P. 3)

Ⓝ **INPUT** (☞ P. 6, 8, 10, 12)

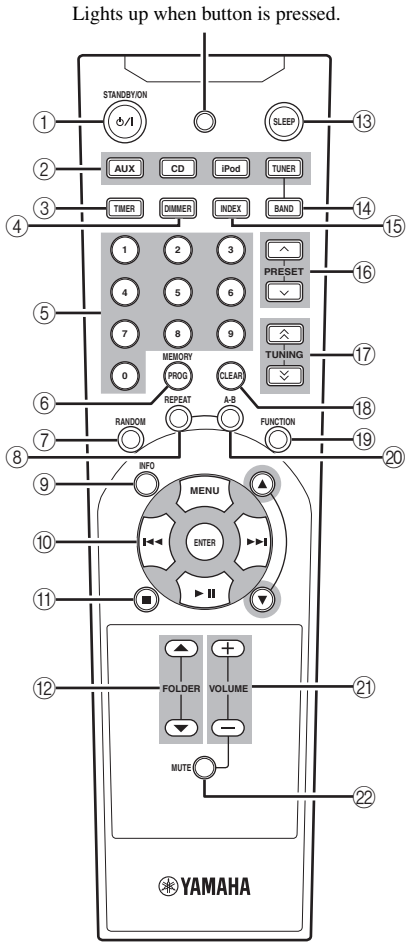
Ⓞ **VOLUME** (☞ P. 6)

Top view



iPod terminal (☞ P. 10)

Controls on the remote control



The circled numbers (① to ㉒) correspond to the ones in the operation descriptions.

① **STANDBY/ON** (☞ P. 6, 7)

② **Input selector buttons** (☞ P. 6, 10, 12)

③ **TIMER** (☞ P. 7)

④ **DIMMER** (☞ P. 6)

⑤ **Numeric buttons** (☞ P. 8, 9, 10, 12)

⑥ **PROG, MEMORY** (☞ P. 9, 10, 12)

⑦ **RANDOM** (☞ P. 9)

⑧ **REPEAT** (☞ P. 9)

⑨ **INFO** (☞ P. 11, 13, 15)

⑩ **► II, I◄◄, ►►I, MENU, ENTER, ▲, ▼** (☞ P. 6, 8, 9, 10, 12, 14, 15)

⑪ **■** (☞ P. 8)

⑫ **FOLDER ▲ / ▼** (☞ P. 8)

⑬ **SLEEP** (☞ P. 7)

⑭ **BAND** (☞ P. 6, 12, 14)

⑮ **INDEX** (☞ P. 10)

⑯ **PRESET ∧ / ∨** (☞ P. 12)

⑰ **TUNING ⩓ / ⩔** (☞ P. 12)

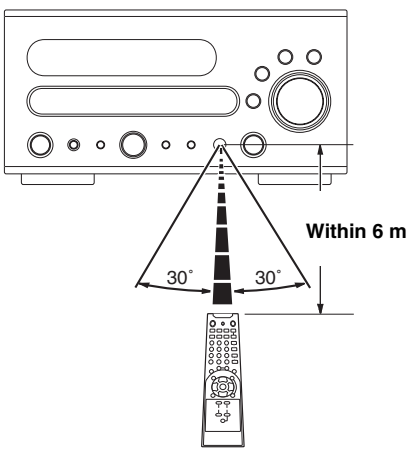
⑱ **CLEAR** (☞ P. 9, 10, 12)

⑲ **FUNCTION** (☞ P. 6, 10, 12, 14, 15)

⑳ **A-B** (☞ P. 9)

㉑ **VOLUME +/–** (☞ P. 6)

㉒ **MUTE** (☞ P. 6)



Use the remote control within 6 m of this unit and point it toward the remote control sensor.

Notes

- Be careful not to spill liquid on the remote control.
- Be careful not to drop the remote control.
- Do not leave the remote control in the following places:
  – hot or humid places, such as near a heater or in a bathroom
  – extremely cold places
  – dusty places

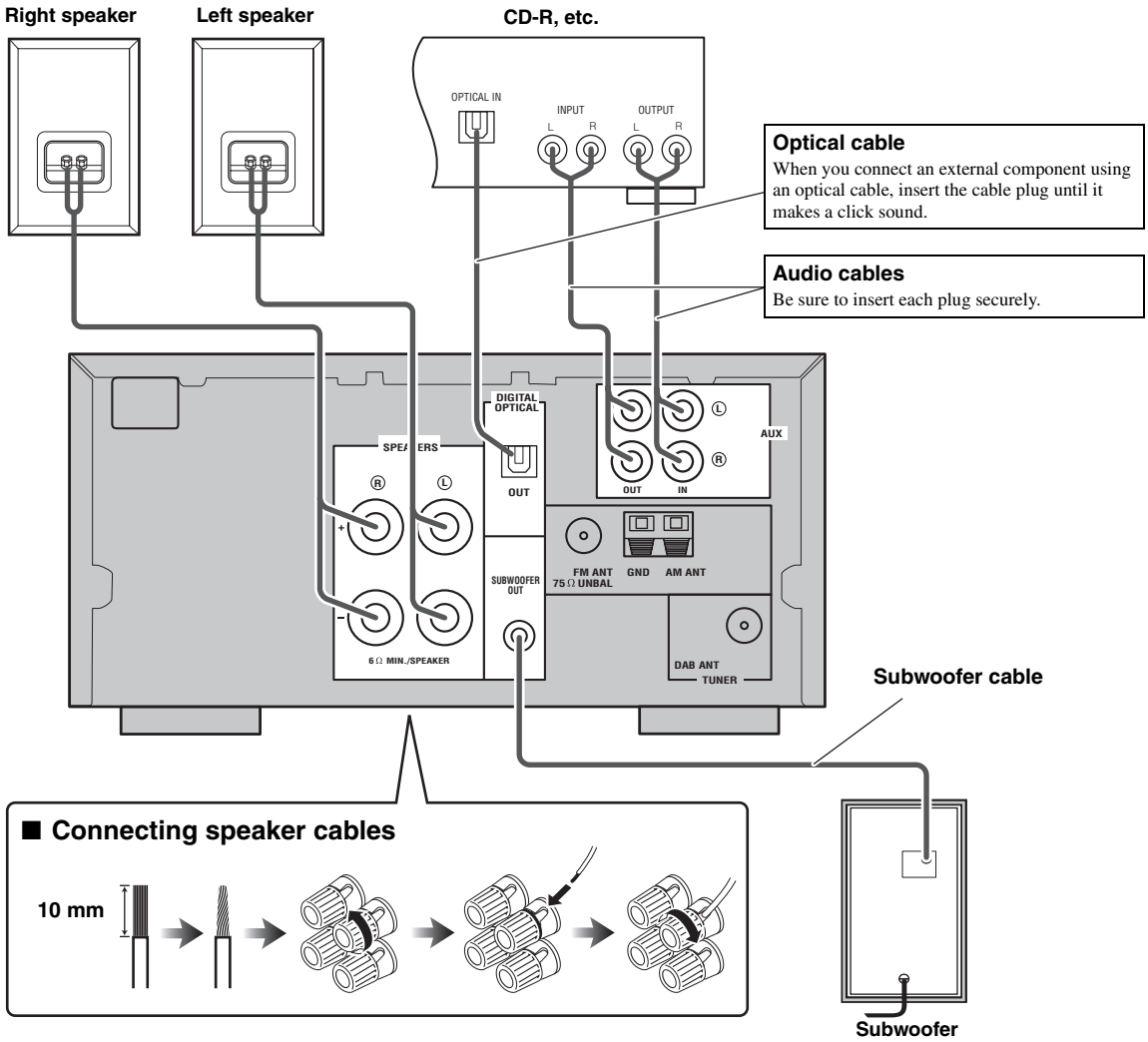
Making preparations

Connecting speakers/an external component/antennas

CAUTION
Do not connect the power cable of this unit until all cable connections are completed.

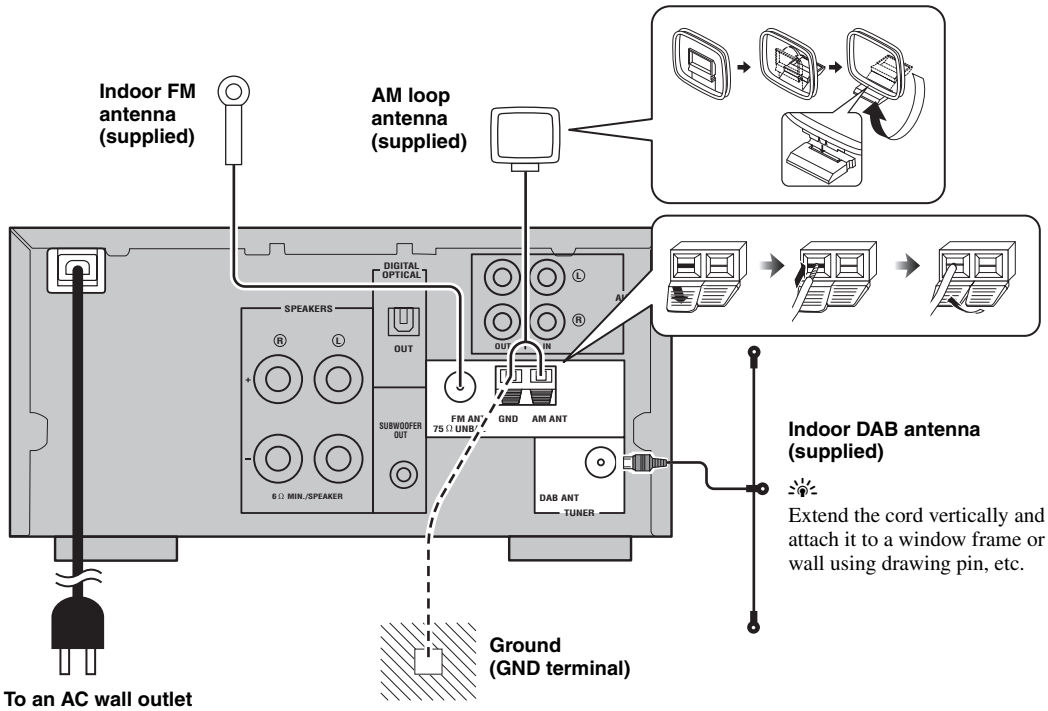
Notes

- Turn off the audio component before connecting it to this unit.
- Also refer to the instructions of the components to be connected.



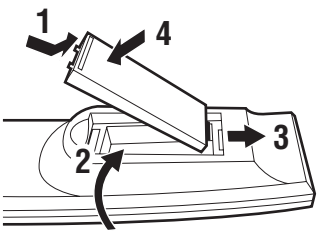
Notes

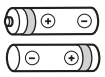
- Be sure to connect the left channel (L), right channel (R), "+" (red) and "–" (black) properly.
- Do not let the bare speaker wires touch each other or do not let them touch any metal part of this unit. This could damage this unit and/or the speakers.
- Use speakers with 6 Ω or higher impedance.
- Digital signals are output at the DIGITAL OPTICAL jack only when you play a disc with this unit.



If there is a problem of weak radio wave reception in your area or you want to improve radio reception, we recommend that you use commercially available outdoor antennas. For details, consult the nearest authorized Yamaha dealer or service center.

Installing batteries in the remote control





Batteries (supplied)
Make sure you insert the batteries according to the polarity markings (+ and –).

Notes

- Do not use an old battery together with new one.
- Do not use different types of batteries (for example, alkaline and manganese) together.
- If the batteries run out, immediately remove them from the remote control to prevent an explosion or acid leak.
- Dispose of the batteries according to the regional regulations.
- If a battery starts leaking, dispose of it immediately. Be careful not to let leaking battery acid come into contact with your skin or clothing. Before inserting new batteries, wipe the compartment clean.

Adjusting the clock

(Operation available only on the front panel)

1 **Press Ⓐ STANDBY/ON to turn on this unit.**

2 **Press Ⓘ TIME MODE to select "TIME" and then push the multi jog dial (Ⓙ).**

3 **Rotate and push the multi jog dial (Ⓙ) to set the current hour.**

4 **Rotate and push the multi jog dial (Ⓙ) to set the current minute.**

5 **Push the multi jog dial (Ⓙ) again to complete the time setting.**

The clock is displayed in 24-hour format.

Note

Adjust the clock before using the timer function of this unit.

Basic operation of this unit

Turning on the power

Press ①STANDBY/ON (or ⒶSTANDBY/ON) to turn on this unit.

Press it again to set this unit to the standby mode.

- You can select whether to display the clock (ECO OFF mode) or not (ECO ON mode) when this unit is in the standby mode. Press and hold ⓘTIME MODE during standby mode until "ECO OFF" or "ECO ON" appears.
- To charge your iPod while this unit is in the standby mode, select "ECO OFF".
- The memory back-up circuit prevents the clock setting from being lost even if this unit is in the standby mode. However, the clock setting will be lost if the power cable is disconnected from the AC wall outlet or if the power supply is cut off for more than four minutes.
- In the standby mode, this unit consumes a small amount of power.

Selecting an input source

Press one of the input selector buttons (②) repeatedly (or press ⓃINPUT) to select the input source from CD, iPod, TUNER (FM/AM/DAB), and AUX.

- Press ⑭BAND (or ⒺBAND) to select FM, AM, or DAB.
- For details on CD, iPod, and tuner operations, refer to pages 8, 10, 12, and 14.
- When you select AUX, this unit outputs sound played back on the component which is connected to the AUX IN jacks. While AUX is selected as the input source, this unit does not output signals at the AUX OUT jacks.

Adjusting the volume level

Press ㉑VOLUME + (or rotate ⓄVOLUME clockwise) to increase the volume level and press ㉑VOLUME – (or rotate it counter-clockwise) to decrease it.

■ Muting the sound

Press ㉒MUTE.

To restore audio output to the previous volume level, press it again or press ㉑VOLUME +/–.

Adjusting sounds

1 **Press ⑲FUNCTION (or ⓀFUNCTION).**

2 **Press ⑩ ▲/▼ repeatedly (or rotate the multi jog dial (Ⓙ)) to select the setting from "Bass" (low frequency), "Treble" (high frequency), and "Balance" (speaker balance), and then press ⑩ENTER (or push the multi jog dial (Ⓙ)).**

3 **Press ⑩ ▲/▼ repeatedly (or rotate the multi jog dial (Ⓙ)) to adjust the setting and then press ⑩ENTER (or push the multi jog dial (Ⓙ)).**

The setting ranges are as follows:
Bass ..... –10 dB to +10 dB
Treble..... –10 dB to +10 dB
Balance ..... L +6 to R +6

Note

These settings have no effect on the audio signals output at the AUX OUT jacks and the DIGITAL OPTICAL OUT jack.

Listening through the headphones

Connect the headphone plug to the ⒽPHONES jack.

While headphones are connected, the sound from the speakers and subwoofer is cut off.

Changing the brightness of the display

Press ④DIMMER repeatedly.

You can select the brightness level from bright, mid dim, and dim.

 The circled numbers and alphabets correspond to the ones on the attached sheet.

Setting a wake-up timer

You can turn on this unit and play the selected input source automatically at a specified time. Also, you can set this unit to the standby mode after a certain time.

Note

Adjust the clock before setting the timer (☞ P. 5).

(Operation available only on the front panel)

1 Press ①TIME MODE repeatedly until "TIMER" appears, and then push the multi jog dial (Ⓙ).

2 Rotate and push the multi jog dial (Ⓙ) clockwise to select "TIMER ON".

3 Rotate and push the multi jog dial (Ⓙ) to set the time (hour and minute) you want to start playback.

4 Rotate and push the multi jog dial (Ⓙ) to select the input source you want to play back.

You can select the input source from FM, AM, DAB, CD, and iPod.

When you select CD, the playback begins with the first track/file. When you select iPod, the playback resumes from where it was stopped.

5 Rotate and push the multi jog dial (Ⓙ) to set the duration time.

You can set the duration time in 10-minute steps (30 to 90 minutes). When you select "– –", this unit does not turn to the standby mode automatically.

While a wake-up timer is activated, ⏲ appears at the right top of the display.

6 Press ①STANDBY/ON (or ⒶSTANDBY/ON) to set this unit to the standby mode.

You can set this unit to the standby mode by using the sleep timer function.

■ To cancel the wake-up timer

Select "TIMER OFF" in step 2.

Once you set a wake-up timer, you can activate or deactivate it by pressing ③**TIMER**.

Setting a sleep timer

This unit automatically turns to the standby mode after the specified interval.

Press ⑬SLEEP repeatedly to set the interval for the sleep timer.

You can select the interval from 30 minutes, 60 minutes, and 120 minutes. The display automatically dims when the sleep timer is activated.

■ To set the sleep timer more accurately

1 Press ①TIME MODE repeatedly until "SLEEP" appears, and then push the multi jog dial (Ⓙ).

2 Rotate and push the multi jog dial (Ⓙ) to set the interval (5 to 240 minutes).

You can set the interval in 5-minute steps (5 to 60 minutes), 10-minute steps (60 to 120 minutes), or 30-minute steps (120 to 240 minutes).

■ To cancel the sleep timer

Press ⑬**SLEEP** repeatedly until the normal display appears. Also, you can cancel the sleep timer by selecting "SLEEP OFF" in the step 2 of "To set the sleep timer more accurately".

Notes

- The sleep timer does not turn off other component connected to this unit.
- The sleep timer is canceled if you turn this unit to the standby mode.

While a sleep timer is activated, SLEEP appears at the right top of the display.

Playback operations

Some operations may be different or restricted depending on the disc. Before playing back, check the compatibility of your disc with this unit (☞ P. 19).

Playing back discs

1 Press ⓃINPUT repeatedly to select "CD".

2 Press Ⓓ⏏ and then place a CD on the disc tray with the printed label facing up.

If you press Ⓓ⏏ while this unit is in the standby mode, this unit turns on with CD selected and the disc tray opens.

3 Press ⑩► II (or Ⓔ►).

The disc tray closes and playback starts automatically.

When this unit is turned on with a disc loaded, disc playback starts automatically.

■ To stop playback

Press ⑪■ (or Ⓖ■).

■ To pause playback

Press ⑩► II (or ⒻII). To return to normal playback, press ⑩► II (or Ⓔ►).

■ To skip tracks

- To skip to the start of the current track, press ⑩I◄◄ (or rotate the **multi jog dial** (Ⓙ) counterclockwise one click).
- To skip to the next track, press ⑩►►I (or rotate the **multi jog dial** (Ⓙ) clockwise one click).
- To skip to the previous track, press ⑩I◄◄ twice (or rotate the **multi jog dial** (Ⓙ) counterclockwise two clicks).

■ To search backward/forward

- For backward search, press and hold ⑩I◄◄.
- For forward search, press and hold ⑩►►I.

You can push the **multi jog dial** (Ⓙ) and rotate it counterclockwise/clockwise for backward/forward search. Push it again to cancel search.

■ To specify a track for playback

Press the **numeric button(s)** (⑤) to enter the track number you want to play.

Note

For an MP3 or WMA disc, the number assigned to each file corresponds to the file sequence in the disc, not in the individual folders.

■ To select a folder/file for an MP3 or WMA format file

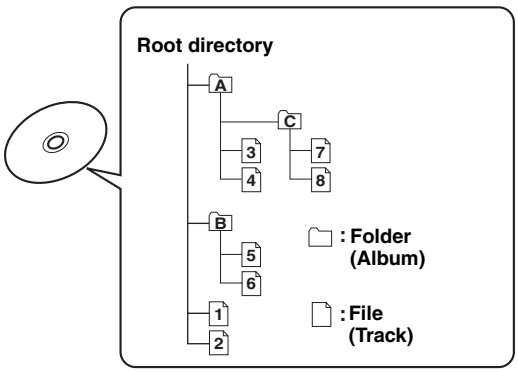
1 Press ⑫FOLDER ▲/▼ to select a folder, and press ⑩ENTER.

2 Press ⑩I◄◄/►►I to select a file.

3 Press ⑩ENTER to start playback of the selected folder/file.

■ About MP3 or WMA files

You can play back MP3 or WMA files recorded on your CD-R or CD-RW. This unit regards folders in a disc as albums, and files as tracks as shown below. Folder hierarchy is disregarded.



Notes

- Depending on the conditions of recording such as software recording setting, this unit may not be able to play a disc in the order shown above.
- The folders/files within the same level are played back in the alphanumeric order.
- This unit can play back up to 255 files and 255 folders. However, less than 255 files/folders may be displayed if some files/folders are not playable on this unit.
- Copyright-protected files cannot be played back.

 The circled numbers and alphabets correspond to the ones on the attached sheet.

Repeat playback

Press ⑧REPEAT repeatedly to select the desired repeat play mode.

The repeat playback mode changes as follows:

R1 (Single repeat)
↓
Rf (Folder repeat, MP3/WMA disc only)
↓
Ra (Full repeat)
↓
Normal playback

■ To repeat between two points (A-B repeat)

1 During playback, press ⑳A-B at the point where you want to start repeat playback.

2 Press ⑳A-B again at the point where you want to end repeat playback.

■ To cancel A-B repeat

Press ⑳A-B again.

Note

Repeat playback mode is canceled when the disc is removed.

Random playback

Press ⑦RANDOM.

■ To cancel random play

Press it again to cancel random playback mode.

Note

Random playback mode is canceled when the disc is removed.

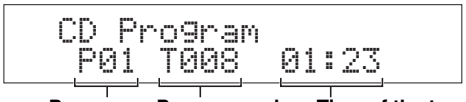
Program playback

1 Press ⑥PROG (or ⓁPROGRAM/MEMORY) when playback is stopped.

This unit turns into the program edit mode.

2 Press ⑩ENTER or the multi jog dial (Ⓙ).

3 Press the numeric button(s) (⑤) (or rotate the multi jog dial (Ⓙ)) to enter the track/file number you want to program, and then press ⑩ENTER (or push the multi jog dial (Ⓙ)).



Program number — Programmed track — Time of the track

4 Repeat step 3 until you finish programing all desired tracks.

You can program up to 40 tracks/files.

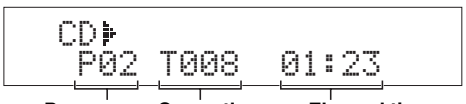
Notes

- For MP3 or WMA files recorded on a disc, the time of the file is not displayed.
- For MP3 or WMA files recorded on a disc, the number assigned to each file corresponds to the file sequence in the disc, not in the individual folders.

5 Press and hold ⑥PROG (or ⓁPROGRAM/MEMORY) to store the tracks you programmed.

6 Press ⑩► II (or Ⓔ►) to start playback in the program playback mode.

Example



Program number — Currently played track — Elapsed time of the track

■ To check or correct the programmed tracks/files

1 Press ⑥PROG (or ⓁPROGRAM/MEMORY) when this unit is in the program playback mode and playback is stopped.

This unit turns into the program edit mode.

2 Press ⑩ENTER or the multi jog dial (Ⓙ) repeatedly to check the program order.

3 To correct a programmed track/file, display the track number to be corrected, and use the numeric button(s) (⑤) enter the track number to be newly programmed.

To delete an unwanted track, press ⑱CLEAR (or ⒼCLEAR).

4 To finish checking or correcting the programmed tracks, press and hold ⑥PROG (or ⓁPROGRAM/MEMORY).

■ To exit program playback mode

To return to the normal playback mode, press ⑥**PROG** when this unit is in the program edit mode. To recall the programmed tracks, press ⑥**PROG** (or Ⓛ**PROGRAM/MEMORY** when playback is stopped and then press ⑩► II (or Ⓔ►).

■ To clear the programmed order

Press and hold ⑱**CLEAR** (or Ⓖ**CLEAR**) when this unit is in the program playback mode and playback is stopped.

Note

When you open the disc tray, the programmed order is cleared.

Index search (Audio CD only)

If your disc contains index numbers, you can start playback from any desired index number.

1 Press ⑮INDEX.

2 Enter the index number using the numeric button(s) (⑤).

■ To cancel the index search

Press ⑮**INDEX** again.

The index system is a method for sub-dividing tracks into smaller divisions for easier search. If a disc contains an index, usually the index mark (IN DEX) is printed on the leaflet in the CD case.

Notes

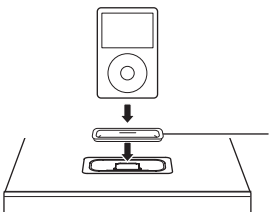
- Not all discs have index numbers.
- If the selected index number does not exist in the disc, this unit starts playback from the last index of the disc.
- For some discs playback may start slightly prior to the actual designated index point.

Listening to your iPod™

This unit equips the iPod terminal on the top panel where you can directly station your iPod and control playback of your iPod using the supplied remote control.

Only iPod (Click and Wheel), iPod nano, iPod mini, and iPod touch are supported.

1 Plug your iPod to the iPod terminal on the top panel of this unit.



Notes

- Use this unit with the iPod dock adapter (supplied with your iPod or commercially available) appropriate for your iPod. Unless your iPod is firmly stationed in the terminal, audio signals may not be output properly.
- Do not connect any iPod accessories (such as headphones) to your iPod when it is stationed in the terminal.

2 Press ②iPod (or press ⓃINPUT repeatedly) to select "iPod" and start playback.

If you plug your iPod while playing when any other source is selected as the input source (or even when this unit is both in the ECO OFF mode and in the standby mode), this unit automatically begins playback of the iPod.

3 Select the iPod playback mode.

1 Press ⑲**FUNCTION** and then ⑩**ENTER** (or press ⓀFUNCTION and then push the **multi jog dial** (Ⓙ)).

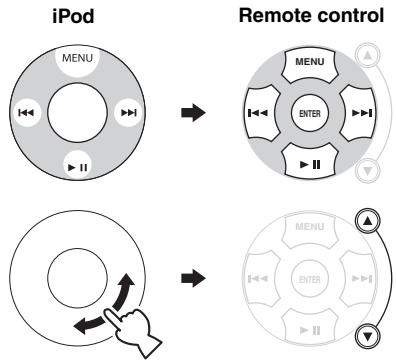
2 Press ⑩**▲/▼** (or rotate the **multi jog dial** (Ⓙ)) to select the desired mode and then press ⑩**ENTER** (or press the **multi jog dial** (Ⓙ)).

Mode	Playback information	Playback control
Menu mode	Displayed on the display of this unit.	By the remote control of this unit
Click wheel mode	Displayed on your iPod.	By the remote control of this unit or your iPod

 The circled numbers and alphabets correspond to the ones on the attached sheet.

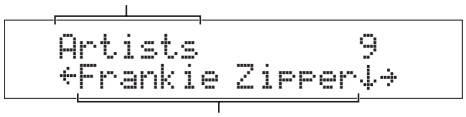
4 Select a song you want to play back.

The buttons on the remote control correspond to the click wheel of iPod and you can control your iPod with them.



Example (menu mode)

Item selected at the previous menu



Currently selected item

- You can switch the playback information display by pressing ⑨**INFO**. For details, refer to "Switching the playback information display" below.
- You can disconnect your iPod during playback.

Note

Some features may not be compatible depending on the model or the software version of your iPod.

Switching the playback information display

Press ⑨INFO repeatedly during playback.

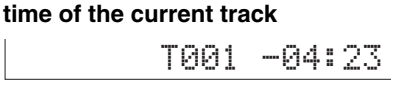
Note

Some special characters may not be shown properly.

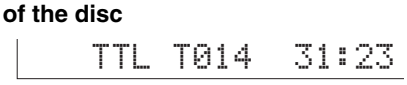
■ Audio CDs

Elapsed time of the current track (Default)

Remaining time of the current track



Total time of the disc



Remaining time of the disc

Track name*

Artist name*

Disc title*

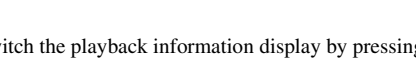
Back to the default display

* Displayed only when you play a CD TEXT disc.

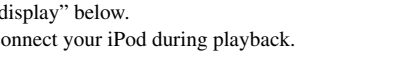
■ iPod (menu mode) or MP3/WMA files

Scrolling display (Default)*1

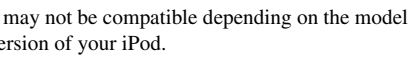
Elapsed time of the current file



Remaining time of the current file



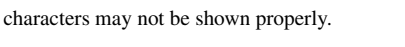
File name*2



Song title

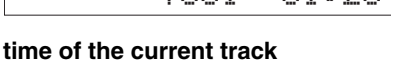
Artist name

Album name



Year*2

Comment*2



Back to the default display

*1 Scrolling display shows the song title, artist name, and album name of the selected item in sequence.
*2 Displayed only when you play back MP3/WMA disc.

Listening to FM/AM broadcast

Selecting broadcast stations

1 Press ②TUNER (or press ⓃINPUT repeatedly until "FM", "AM", or "DAB" is displayed).

2 Press ⑭BAND (or ⒺBAND) repeatedly to select "FM" or "AM".

3 Press and hold ⑰TUNING ⩓ / ⩔.

This unit automatically searches and tunes into a station.

(When you control this unit with the front panel)
Push the **multi jog dial** (Ⓙ) repeatedly to select "Auto tune", and then rotate the **multi jog dial** (Ⓙ) to start searching.

- If the signal received from the station you want to select is weak, tune into it manually. Press **⑰TUNING ⩓ / ⩔** repeatedly or select "Manual tune" in step 3 above and rotate the **multi jog dial** (Ⓙ) to tune into the desired station.
- If the signal is weak and noise occurs during FM stereo reception, follow the procedure below to set this unit to the monaural mode.
  1 Press **⑲FUNCTION** and then press **⑩ENTER** (or press **ⓀFUNCTION** and then push the **multi jog dial** (Ⓙ)).
  2 Press **⑩▲/▼** (or rotate the **multi jog dial** (Ⓙ)) to select "MONO" instead of "STEREO" and then press **⑩ENTER** (or push the **multi jog dial** (Ⓙ)).

Presetting broadcast stations automatically

Press and hold ⑥MEMORY (or ⓁPROGRAM/MEMORY) until "Auto memory" begins to flash.

- Up to 30 FM and 20 AM stations can be preset.
- "COMPLETE" is displayed when automatic preset tuning is finished.

Note

Automatic preset tuning overwrites the existing preset stations.

■ Presetting favorite broadcast stations manually

1 Tune into the station to be preset.

Refer to "Selecting broadcast stations" on this page.

2 Press ⑥MEMORY (or ⓁPROGRAM/MEMORY).

⬇ Within 4 seconds

Press ⑯PRESET ⩓ / ⩔ (or rotate the multi jog dial (Ⓙ)) to select a desired preset number.

⬇ Within 4 seconds

Press ⑥MEMORY (or ⓁPROGRAM/MEMORY).

■ Deleting preset stations

Select the preset station and press **⑱CLEAR** (or **ⒼCLEAR**). To delete all FM or AM preset stations, press and hold **⑱CLEAR** (or **ⒼCLEAR**).

Selecting preset stations

Press ⑯PRESET ⩓ / ⩔ repeatedly to select the desired preset station.

(When you control this unit with the front panel)
Push the **multi jog dial** (Ⓙ) repeatedly to select "Preset tune", and then rotate the **multi jog dial** (Ⓙ) to select the desired preset station.

You can also select the desired preset station using the **numeric buttons** (⑤).

Editing the name of the preset radio stations

1 Select the preset radio station you want to edit the name.

2 Push and hold the multi jog dial (Ⓙ) until the cursor flashes.

 The circled numbers and alphabets correspond to the ones on the attached sheet.

3 **Rotate the multi jog dial (Ⓙ) to select a character and then push it to confirm your selection.**

- You can enter alphabets (A to Z) and/or numbers (0-9).
- To enter a blank space, select the blank between "Z" and "0".
- To delete the input character, press ⓖCLEAR.
- To delete all characters, press ⓖCLEAR for more than 3 seconds.

4 **Repeat step 3 until you finish editing.**

5 **Push and hold the multi jog dial (Ⓙ).**

Receiving radio data system information

1 **Tune into an FM station.**

2 **Press ⑨INFO repeatedly to select desired information and wait until blinking stops.**

The mode changes as follows:

PROGRAM SERVICE

↓ The name of the station being received is displayed. The frequency will be displayed, if no program service data is found.

PROGRAM TYPE

↓ The program type is displayed (refer to the table on this page).

RADIO TEXT

Information about the program being received is displayed using a maximum of 64 alphanumeric characters.

↓ The mode is automatically switched to PROGRAM SERVICE mode, if no radio text data is found.

CLOCK TIME

↓ The current time is displayed and updated every minute. "CT NONE" is displayed if no time data is found.

Normal display

Notes

- The available Radio Data System information types vary depending on the station.
- If the signal transmission of the FM Radio Data System station is too weak, this unit may not be able to receive Radio Data System information completely. In particular, RADIO TEXT information uses a lot of bandwidth, so it may not be available even when other modes are selectable.

Program type

News	News
Current Affairs	Current Affairs
Information	Information
Sport	Sport
Education	Education
Drama	Drama
Cultures	Cultures
Science	Science
Varied Speech	Varied Speech
Pop Music	Pop Music
Rock Music	Rock Music
Easy Listening	Easy Listening
Light Classics	Light Classics
Serious Classic	Serious Classic
Other Music	Other Music
Weather & Metr	Weather & Meteorology
Finance	Finance
Children's Prog	Children's Program
Social Affairs	Social Affairs
Religion	Religion
Phone In	Phone In
Travel & Tourin	Travel & Touring
Leisure & Hobby	Leisure & Hobby
Jazz Music	Jazz Music
Country Music	Country Music
National Music	National Music
Oldies Music	Oldies Music
Folk Music	Folk Music
Documentary	Documentary
Alarm Test	Alarm Test
Alarm-Alarm!	Alarm-Alarm!

Listening to DAB broadcast

Listening to DAB stations

1 Press ⑭BAND (or ⒺBAND) repeatedly to select "DAB".

Note

When you select "DAB" for the first time, this unit automatically scans for DAB services in your area, it takes about 90 seconds to finish scanning.

2 Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select the desired channel.

- When the selected DAB service has a secondary service, the SECONDARY indicator flashes in the front panel display for 5 seconds.
- When the selected DAB service is a secondary DAB service, the SECONDARY indicator lights up.
- "Off air" appears when this unit cannot receive specified DAB service.

Advanced DAB operations

■ Displaying a signal strength

Use this feature to adjust the positioning of the DAB antenna and this unit. It is effective at maximizing the DAB reception capability.

1 Press ⑲FUNCTION (or ⓀFUNCTION) while listening to a DAB station.

2 Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select "Manual tune".

3 Press ⑩ENTER.

Press again to return to the normal display.

■ Updating the DAB channel list

1 Press ⑲FUNCTION (or ⓀFUNCTION) while listening to a DAB station.

2 Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select "Full Scan" or "Local Scan".

- **Local Scan**: This unit scans specified ranges in band III.
- **Full Scan**: This unit scans all ranges in band III.

If new DAB channels are found, they are added to the DAB channel list.

■ Selecting preset DAB stations

You need to preset DAB stations in advance. See "Presetting favorite broadcast stations manually" on page 12. You can preset up to 99 stations.

1 Press ⑲FUNCTION (or ⓀFUNCTION) while listening to a DAB station.

2 Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select "Preset tune".

3 Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select the station you want to listen to.

 ☼ The circled numbers and alphabets correspond to the ones on the attached sheet.

■ Rearranging the channel list

1 **Press ⑲FUNCTION (or ⓀFUNCTION) while listening to a DAB station.**

2 **Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select "Station order".**

3 **Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select "Alphanumeric" or "Ensemble".**

- **Alphanumeric**: Channels are listed in alphanumeric order (0-9, A-Z) by the first letter of the station name.
- **Ensemble**: This option will list active stations (stations that can be received by this unit) at the top of the channel list. Channels that are in the list but have no service in your area are listed at the bottom of the channel list.

■ Compressing the dynamic range

Some DAB broadcasters transmit a wide dynamic range (enabling high quality sound), accompanied by dynamic range control data. The dynamic range control can be used to compress the dynamic range of the broadcast, making softer sounds easier to hear.

1 **Press ⑲FUNCTION (or ⓀFUNCTION) while listening to a DAB station.**

2 **Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select "Dynamic Range".**

3 **Press ⑩▲/▼ repeatedly and then press ⑩ENTER (or rotate and push the multi jog dial (Ⓙ)) to select from "0", "1/2", or "1".**

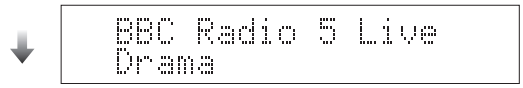
- **0**: This unit does not compress the dynamic range.
- **1/2**: Medium dynamic range compression.
- **1**: Maximum dynamic range compression.

Switching the DAB information

Press ⑨INFO repeatedly to select the desired information.

Dynamic label segment

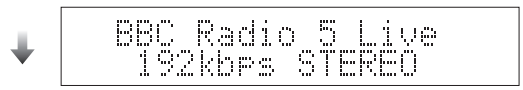
Program type



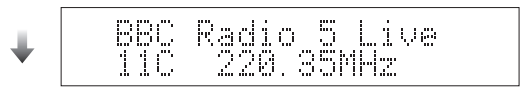
Ensemble name

Current date and time

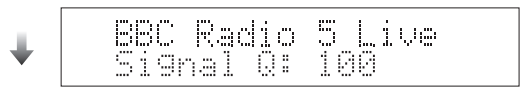
Audio mode and bitrate



Channel name/frequency

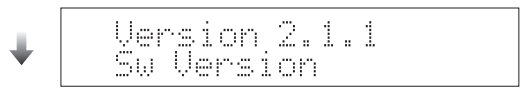


Signal error rate (0-99)



The lower the figure, the better the quality of the received broadcast.

Software version



Back to dynamic label segment

Troubleshooting

If there is any problem with this unit, check the following items. If you cannot solve your problem with the following remedies or if your problem is not listed below, turn off and unplug the unit, then consult the nearest authorized Yamaha dealer or service center.

General

Problem	Cause	Solution	Refer to
Power turns on but immediately shuts off.	The power cable may be connected improperly.	Make sure the power cable is plugged into the outlet firmly.	P. 5
	The speaker cable may be shorted.	Make sure all speaker cables are connected properly.	P. 4
	This unit may receive a strong electrical shock such as from a lightening bolt or excessive static electricity.	Set this unit to the Standby mode, then disconnect the power cable. Wait for about 30 seconds, then connect the power cable and turn on this unit.	—
The speakers make no sound.	The volume may be set to the minimum level.	Adjust the volume level.	P. 6
	The mute function may be enabled.	Cancel the mute function.	P. 6
	The input source may be incorrect.	Select the correct input source.	P. 6
	The cables may be connected improperly.	Make sure all cables are connected properly.	P. 4, 5
	The disc loaded into this unit may be not compatible.	Make sure you use a disc supported by this unit.	P. 19
Sound suddenly turns off.	The sleep timer might be set.	Turn on this unit and play the source again.	P. 6
Sound is small on one side.	The cables may be connected improperly.	Make sure all cables are connected properly and adjust the speaker balance.	P. 4, 6
The volume does not increase or sounds are distorted.	The power of the equipment connected to the output jacks of this unit may be turned off.	Turn on the power of the equipment connected to the output jacks of this unit.	—
This unit does not operate properly.	This unit may receive a strong electrical shock, such as from a lightening bolt or excessive static electricity, or drop in power supply.	Set this unit to the Standby mode, then disconnect the power cable. Wait for about 30 seconds, then connect the power cable and turn on this unit.	—
Sound played on this unit cannot be recorded with an external recorder.	You may be trying to make a digital recording with an analog source.	Use proper audio sources.	P. 6
The clock setting has been cleared.	The power to this unit may have been lost for more than four minutes.	Make sure the power cable is plugged into outlet firmly, then set the clock again.	P. 5
A digital equipment or high frequency equipment near this unit produces noises.	This unit may be placed close to the digital equipment or high-frequency equipment.	Place this unit further away from such equipment.	—

Disc playback

Problem	Cause	Solution	Refer to
Some button operations do not work.	Some discs do not support certain functions of this unit.		—
Playback does not start immediately when pressing ⑤► (or ⑩► II).	The disc may not be set in the disc tray properly.	Set the disc in the disc tray properly.	P. 8
	The disc may be dirty.	Wipe the disc clean.	P. 19
	The disc loaded into this unit may be not compatible with this unit.	Make sure you use a disc supported by this unit.	P. 19
	If this unit is moved from a cold place to warm one, condensation may be form on the disc reading lens.	Wait for one to two hours, then try again.	—
The message "No Disc" appears even though a disc is set.	The disc loaded into this unit may be not compatible with this unit.	Make sure you use a disc supported by this unit.	P. 19

iPod™ playback

Problem	Cause	Solution	Refer to
"Unplugged" is displayed and the iPod is not recognized.	The iPod is not connected securely.	Remove the iPod and plug it again.	P. 10
		Use a proper iPod dock adapter supplied with your iPod.	—

Radio reception

Problem	Cause	Solution	Refer to
The preset tuning function does not work.	The preset station settings may have been erased.	Preset radio stations again.	P. 12
The preset station settings have been cleared.	The power to this unit may be lost more than a week.	Make sure the power cable is plugged into outlet firmly, and then preset the stations again.	P. 5, 12
The auto tuning function does not work.	The antenna may be connected improperly.	Make sure the antenna is connected properly.	P. 5
	The radio station you selected may be far away from your area or radio wave reception is weak in your area.	Try manual tuning to increase the signal quality.	P. 12
(FM) Too much noise is generated during stereo broadcast.	The FM antenna may be connected improperly.	Make sure the FM antenna is connected properly.	P. 5
	The radio station you selected may be far away from your area or radio wave reception is weak in your area.	Try manual tuning to increase the signal quality or use a commercially available multi-channel outdoor antenna.	P. 5, 12
		Switch the reception mode of this unit to monaural.	P. 12
(FM) Even with an outdoor antenna, radio wave reception is weak (audio is distorted).	Multipath reflection or other radio interferences may occur.	Change the height, direction, or placement of the antenna.	—
(AM) Too much noise is generated.	The noises may be generated from atmospheric electricity, lightening, fluorescent lights, motors, or thermostat electric devices.	Connect an outdoor antenna and establish better grounding to decrease noises. However, it is difficult to eliminate these types of noises.	P. 5
	If too much noise is generated especially in the evening, this unit may be placed close to a TV.	Place this unit further away from a TV.	—
(DAB) Cannot tune into any DAB stations.	There is no DAB coverage in your area.		—
(DAB) The service reception is weak.	The positioning of the indoor DAB antenna and/or the unit is not optimal for DAB reception.	Display the signal strength and find the best position for the DAB antenna and this unit.	P. 14

Remote control

Problem	Cause	Solution	Refer to
The remote control does not work for operating this unit.	The remote control may be operated outside the remote control operation range.	Use the remote control within the operation range.	P. 3
	The remote control sensor on this unit may be exposed to direct sunlight or lighting (inverted fluorescent lamps).	Change the lighting or the orientation of this unit.	—
	The batteries may be worn out.	Replace the batteries with new ones.	P. 5

Notes on discs

Disc information

This unit is designed for use with audio CD, CD-R, and CD-RW. Also, this unit can play back 8 cm compact discs.

This unit can play back discs bearing any of the logo marks above. A disc logo mark is printed on the disc and the disc jacket.

Note

Do not load any other type of disc into this unit. Doing so may damage this unit.

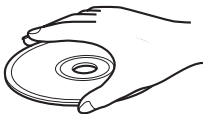
This unit can play back the following data discs:

- MP3 files, recorded on CD-R/RW (fs 44.1, 48 kHz/32, 64, 96, 128, 192, 256, or 320 kbps and variable bit encoded MP3 files (CBR and VBR))
- WMA files, recorded on CD-R/RW (fs 44.1 kHz/192 kbps or less and variable bit encoded WMA files (CBR and VBR))
- ISO 9660 for CD-R/RW

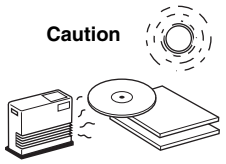
Notes

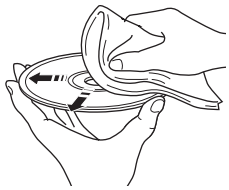
- CD-R/RW cannot be played back unless finalized. Finalize means to process the information stored in the disc so as to make it compatible with other players.
- Use reliable discs. Some discs cannot be played back depending on the disc characteristics or recording conditions.
- Do not use any non-standard shaped discs such as a heart-shaped disc.
- Do not use discs with many scratches on their surface.
- Copyright-protected WMA files cannot be played back on this unit.
- The sampling rate 48 kHz is downsampled to 44.1 kHz for playback.

Handling a disc



- Do not touch the surface of the disc. Hold a disc by its edge (and the center hole).
- Do not leave a disc in the disc tray when not playing.
- Do not use a pencil or pointed marker to write on the disc.
- Do not put a tape, seal, glue, or other attachments on a disc.
- Do not use a protective cover to prevent scratches.
- Do not use a disc that has a printable surface using a commercially available label printer.
- Do not expose a disc under direct sunlight, high temperature, high humidity, or a lot of dust.





- If a disc becomes dirty, wipe it with a clean, dry cloth from the center out to the edge. Do not use record cleaner or paint thinner.
- To avoid malfunction, do not use a commercially available lens cleaner.
- Do not insert more than one disc into the disc tray at one time. This can cause damages to both this unit and the discs.
- Do not use an 8 cm-disc adapter. Load an 8 cm (3 inch) disc as it firmly sits on the disc tray. If loaded improperly, the disc can impede the disc tray opening/closing.
- Do not insert fingers when closing the disc tray. This can lead to injury.
- Do not insert any foreign objects into the disc tray.
- Do not insert a cracked, warped, or glued disc.

Note

Do not use any lens cleaners as they may be a cause of malfunction.

Glossary

■ MP3

One of the audio compression methods used by MPEG. It employs the irreversible compression method, which achieves a high compression rate by thinning out the data of hardly audible part to human ears. It is said to be capable of compressing the data quantity by about 1/11 (128 kbps) while maintaining a similar audio quality to music CD.

■ WMA

An audio compression method developed by Microsoft Corporation. It employs the irreversible compression method, which achieves a high compression rate by thinning out the data of hardly audible part to human ears. It is said to be capable of compressing the data quality by about 1/22 (64 kbps) while maintaining a similar audio quality to music CD.

■ iPod

iPod is a portable media player designed and marketed by Apple Inc.
iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

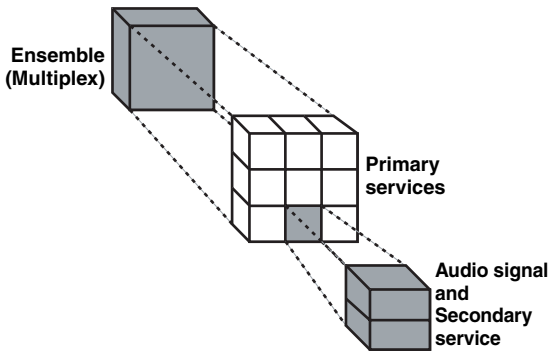
■ DAB

Digital Audio Broadcasting

DAB (Digital Audio Broadcasting), also known as digital radio, is a new way of radio broadcasting. DAB is broadcast using digital signals instead of analog signals, resulting in near CD-quality sound. Analog signals (i.e. AM/FM) are susceptible to interference (i.e. distortion and noise) caused by electrical equipment, weather conditions, tall buildings, mountains, etc.; digital signals are not. Thus, with DAB, there is virtually interference-free reception and no hiss or crackle.

Another advantage of DAB is that a large amount of information can be carried within the digital signal. DAB is broadcast in blocks of data called ensembles (also known as multiplexes). Several radio programs (called primary services) can be broadcast simultaneously in each ensemble. This means that you can choose between several radio programs within one frequency.

In addition to the audio signal, secondary services are also broadcast and displayed on this unit's front panel display. Part of the secondary services are text data information called DLS (Dynamic Label Segment). For more information, see page 15.



With DAB, there is no need to remember channel frequencies, either. All broadcasts are selected by simply selecting the service name.

Notes

- You can tune the range of channels are 10A to 12D in UK.
- The sound quality and PAD/SI information are controlled by the DAB broadcaster, not this unit. Not all DAB broadcasters transmit PAD/SI information.
- DAB signals are broadcast in Band-III (174 – 240 MHz).

Specifications

■ Audio section

- Minimum RMS output power per channel
  .....25 W + 25 W (6 Ω , 1 kHz, 0.1% THD)
- Input sensitivity/impedance
  AUX ..... 350 mV/47 kΩ
- Frequency response
  CD etc. ..... 20 Hz to 20 kHz, ±0.5 dB
- Total harmonic distortion
  CD etc. 1kHz 0.03%
- Signal to noise ratio (IHF-A network)
  CD etc. (350 mV, input shorted) ..... 98 dB

■ FM section

- Tuning range (50 kHz steps) ..... 87.50 to 108.00 MHz
- Signal to noise ratio (mono) ..... 65 dB
- Sensitivity (S/N 30 dB) ..... 1.0 µV/m

■ AM section

- Tuning range (9 kHz steps) ..... 522 to 1629 kHz
- Signal to noise ratio ..... 35 dB
- Sensitivity ..... 600 µV/m

■ DAB section

- Tuning range (BAND III) ..... 174 MHz to 240 MHz
- Input ..... 50 Ω , (nominal)
- Sensitivity ..... –96 dBm
- Selectivity ..... 35 dB typ.
- Audio out ..... Stereo, 2.0 Vp-p
- Digital out ..... 24 bit/48 kHz resolution

■ CD player section

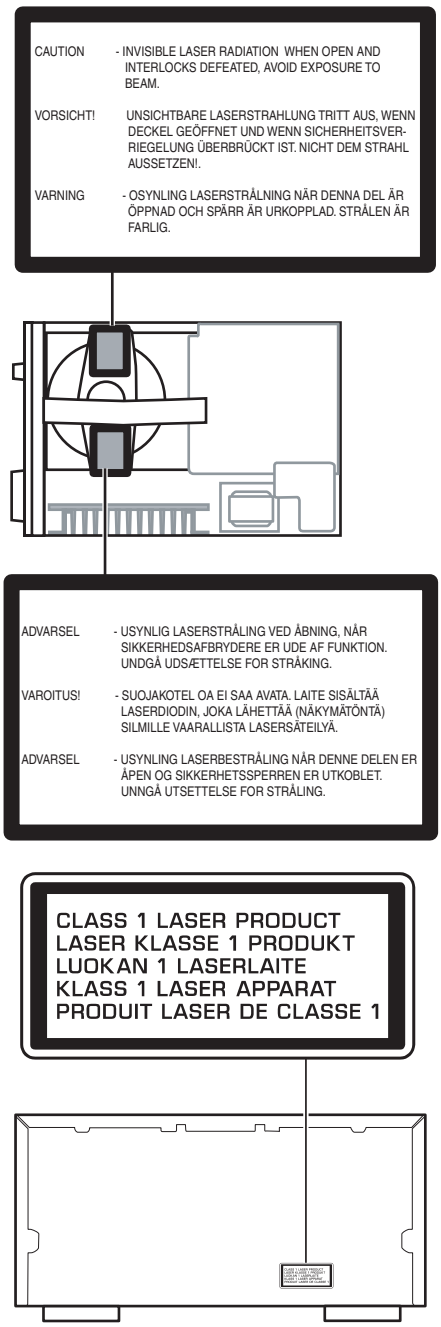
- Signal to noise ratio ..... 110 dB
- Total harmonic distortion 0.005%
- Separation ..... 100 dB

■ General

- Power supply ..... AC 230 V, 50 Hz
- Power consumption ..... 80 W
- Standby power consumption ..... 0.5 W
- Laser pick up
  Material.....GaAlAs
  Wavelength ..... 790 ±25 nm
  Laser output ..... 8 mA or less
- Dimensions (W x H x D)..... 210 x 109 x 359.5 mm
- Weight ..... 4.65 kg

* Specifications are subject to change without notice.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



Limited Guarantee for European Economic Area (EEA) and Switzerland

Thank you for having chosen a Yamaha product. In the unlikely event that your Yamaha product needs guarantee service, please contact the dealer from whom it was purchased. If you experience any difficulty, please contact Yamaha representative office in your country. You can find full details on our website (**http://www.yamaha-hifi.com/** or **http://www.yamaha-uk.com/** for U.K. resident).

The product is guaranteed to be free from defects in workmanship or materials for a period of two years from the date of the original purchase. Yamaha undertakes, subject to the conditions listed below, to have the faulty product or any part(s) repaired, or replaced at Yamaha's discretion, without any charge for parts or labour. Yamaha reserves the right to replace a product with that of a similar kind and/or value and condition, where a model has been discontinued or is considered uneconomic to repair.

Conditions

1. The original invoice or sales receipt (showing date of purchase, product code and dealer's name) MUST accompany the defective product, along with a statement detailing the fault. In the absence of this clear proof of purchase, Yamaha reserves the right to refuse to provide free of charge service and the product may be returned at the customer's expense.
2. The product MUST have been purchased from an AUTHORISED Yamaha dealer within the European Economic Area (EEA) or Switzerland.
3. The product must not have been the subject of any modifications or alterations, unless authorised in writing by Yamaha.
4. The following are excluded from this guarantee:
   a. Periodic maintenance and repair or replacement of parts due to normal wear and tear.
   b. Damage resulting from:
      (1) Repairs performed by the customer himself or by an unauthorised third party.
      (2) Inadequate packaging or mishandling, when the product is in transit from the customer. Please note that it is the customer's responsibility to ensure the product is adequately packaged when returning the product for repair.
      (3) Misuse, including but not limited to (a) failure to use the product for its normal purpose or in accordance with Yamaha's instructions on the proper use, maintenance and storage, and (b) installation or use of the product in a manner inconsistent with the technical or safety standards in force in the country where it is used.
      (4) Accidents, lightning, water, fire, improper ventilation, battery leakage or any cause beyond Yamaha's control.
      (5) Defects of the system into which this product is incorporated and/or incompatibility with third party products.
      (6) Use of a product imported into the EEA and/or Switzerland, not by Yamaha, where that product does not conform to the technical or safety standards of the country of use and/or to the standard specification of a product sold by Yamaha in the EEA and/or Switzerland.
      (7) Non AV (Audio Visual) related products.
      (Products subject to "Yamaha AV Guarantee Statement" are defined in our website at **http://www.yamaha-hifi.com/** or **http://www.yamaha-uk.com/** for U.K. resident.)
5. Where the guarantee differs between the country of purchase and the country of use of the product, the guarantee of the country of use shall apply.
6. Yamaha may not be held responsible for any losses or damages, whether direct, consequential or otherwise, save for the repair or replacement of the product.
7. Please backup any custom settings or data, as Yamaha may not be held responsible for any alteration or loss to such settings or data.

This guarantee does not affect the consumer's statutory rights under applicable national laws in force or the consumer's rights against the dealer arising from their sales/purchase contract.

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Pb

YAMAHA

YAMAHA CORPORATION

©2008 Yamaha Corporation All rights reserved.

Printed in China CQX1A1390Y