YAMAHA

Compact Disc Player

CD-S303

EN **Owner's Manual**

PRECAUTIONS

Please read these precautions carefully before proceeding.

Be sure to follow the instructions

Please carefully read and observe the following precautions to avoid harm to people or damage to your personal property.
After reading this document thoroughly, please retain it in a location that anyone using the product can access at any time.

- Contact the following customer center for inspection or repair.
  - The store you purchased the product
  - Yamaha dealer
- This product is intended for use as a general household device. Do not use it in any field or activity requiring a high degree of reliability in relation to human lives or valuable assets.
- Please note that Yamaha cannot accept any liability for any losses resulting from improper use or unauthorized modification of the product.

⚠ WARNING

These precautions alert you to the possibility of death or serious injury to yourself or others.

If you notice any abnormality

- If any of the following abnormalities occur, immediately shut down the power.
  - The power cord or plug becomes damaged.
  - Unusual smells, noise or smoke are emitted from the product.
  - An object or some water has been dropped into the product.
  - Cracks or other damage appear on the product.
  - There is a sudden loss of sound during use of the product.
  Follow the steps below to shut down the power.
  - Turn off the power to this product.
  - Disconnect the power cord plug from the AC outlet.
  Continuing to use the product as-is may result in fire, electrical shock or damage to the product. Request inspection or repair immediately.

Power supply

- Do not damage the power cord.
  - Do not place the power cord near heat sources such as heaters.
  - Do not forcefully bend or modify the power cord.
  - Do not damage the power cord.
  - Do not place heavy objects on the power cord.
  - Do not staple the power cord.
  Using a frayed power cord with the core wire exposed may result in fire, electrical shock or damage to the product.
- During lightning or electrical storms, do not touch this product, power plug or power cord. Otherwise, electrical shock may be caused.
- Use the voltage specified for this product. Using an incorrect voltage may result in fire, electrical shock or damage to the product.
- Be sure to use only the item listed below to supply power:
  - Included power cord
  Otherwise, fire, burns or damage to the product may be caused.
- Do not use the following Included accessory with other devices.
  - Power cord
  Otherwise, fire, burns or damage to the product may be caused.
- Check the power cord plug periodically and remove any dirt or dust that may have accumulated.
  Otherwise, fire or electrical shock may be caused.
- Be sure to fully insert the power cord plug into an AC outlet.
  Otherwise, electrical shock, or fire or damage to the product due to short circuit may be caused.
- Insert the power cord plug into the AC outlet that is visible and easily accessible.
  If some trouble or malfunction occurs, you should be able to immediately disconnect the plug from the AC outlet easily. Even when the

power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the product is not disconnected from the power source completely.
- If you plan not to use the product for a long period of time, remove the power cord plug from the AC outlets.
  Otherwise, fire or damage to the product may be caused.

Do not disassemble

- Do not modify or disassemble this product.
  Otherwise, fire, electrical shock, injury or damage to the product may be caused.

Water warning

- Do not use this product in damp or wet conditions, such as a bathroom or rainy outdoor location.
- Do not place on this product any containers (such as vases or medicine bottles) that contain liquids.
If liquid spills into the product, fire, electrical shock or damage to the product may be caused.
- Do not insert the power cord plug into or remove it from the AC outlet with wet hands. Do not handle this product with wet hands.
  Otherwise, electrical shock or damage to the product may be caused.

Fire warning

- Do not handle open flames near this product. Otherwise, fire may be caused.

Vision loss

- Do not look into the laser beam.
  If the laser beam hits your eyes, vision loss may be caused.

Handling

- Do not drop this product or apply any strong impact to the product.
  Otherwise, fire, electrical shock or damage to the product may be caused.

Batteries

- Do not swallow batteries.
- Keep batteries away from children.
Otherwise, they may swallow the batteries by accident. Leaking battery liquid may cause loss of vision or inflammation. If the battery case on this product is not completely sealed, stop using the product and keep it away from children. If someone has swallowed a battery by accident, consult a physician immediately. If a battery is swallowed, it can cause serious chemical burns or melting of body tissue within two hours, leading to possible death.
- Do not throw batteries into an open fire.
- Do not expose batteries to high temperatures, such as direct sunlight or an open fire.
Otherwise, they may explode, resulting in fire or injury.
- If battery liquid is leaking, do not touch the liquid.
  Otherwise, loss of vision or chemical burns may be caused. If you touch the battery liquid, wash it away with water immediately, and consult a physician.

- Do not use batteries other than the specified type.
- Do not use old and new batteries together.
- Do not use different types of batteries together.
- Do not insert batteries in an orientation opposite from the polarity indication.
- Do not break down the battery.
- Do not charge non-rechargeable dry cell batteries.
Otherwise, they may explode or battery liquid may leak, resulting in fires, burns, loss of vision, inflammation, or damage to the product. If you touch the battery liquid, wash it away with water immediately, and consult a physician.
- Do not carry the batteries in a pocket or bag or store them along with a piece of metal.
  Otherwise, the batteries may short-circuit, leading to an explosion or leaking liquid, which could result in fires, loss of vision, or injuries.
- If you plan not to use the product for a long period of time, or if the batteries are completely discharged, remove them from the remote control.
  Otherwise, battery liquid may leak, possibly resulting in loss of vision, inflammatory injury, or damage to the product.
- Before you store or discard the batteries, apply a piece of tape to the connectors to insulate them.
  If the battery connectors come into contact with other batteries or metallic objects, they may explode or battery liquid may leak, possibly resulting in fire, burns, loss of vision, or inflammatory injury.

⚠ CAUTION

These precautions alert you to the possibility of physical injury to yourself or others.

Power supply

- If the power cord plug inserted into the AC outlet is wiggly or loose, do not use that outlet.
  Otherwise, fire, electrical shock or burns may be caused.
- When removing the power cord plug from the product or an outlet, always hold the plug itself and not the cord.
  Otherwise, the power cord may be damaged, resulting in fire or electrical shock.

Installation

- Do not place this product in an unstable position or a location subject to vibration.
  Otherwise, the product may fall or tip over, resulting in injuries or damage to the product.
- Do not block the heat dissipation of this product when installing it.
  - Do not cover the product with a cloth or table cloth.
  - Do not install the product on a carpet or rug.
  - Make sure that the top surface faces up. Do not install the product on its sides or upside down.
  - Do not use the product in a confined, poorly-ventilated location.
  Inadequate ventilation may result in overheating inside the product, possibly causing damage and fire or malfunction.

Make sure that there is adequate space around the product at least 2.5 cm above, 2.5 cm at the sides and 2.5 cm behind.
- During earthquakes, stay away from this product.
  Otherwise, the product may fall or tip over, resulting in injuries.
- Before moving this product, be sure to turn off the power switch and remove all connected cables.
  Otherwise, the cables might be caught by a foot or hand, and the product may fall or tip over, resulting in injuries or damage to the product.

Connections

- If you plan to connect external devices, first read the owner's manual for each device, and connect them in accordance with the instructions.
  If you do not follow the instructions correctly, injury or damage to the product may be caused.

Hearing loss

- Do not expose yourself to high volume sound for an extended period of time.Otherwise, hearing loss may be caused. If you experience any hearing abnormality, consult a physician.
- If you plan to connect this product to any other devices, first turn off the power to all devices.
  Otherwise, hearing loss, electrical shock or damage to the product may be caused.
- When turning on the power to the audio system, always turn on the power to the power amplifier LAST. When turning off the power to the audio system, turn off the power to the power amplifier FIRST.

Otherwise, hearing loss or damage to the product may be caused.

Maintenance

- Before cleaning the product, be sure to remove the power cord plug from the AC outlet.
  Otherwise, electrical shock may be caused.

Handling

- Do not insert your hands or fingers in any gaps or openings on this product.
  Otherwise, injury may be caused.
- Do not drop a foreign object, such as a piece of metal or paper, into any gap on this product.
  Otherwise, fire, electrical shock or damage to the product may be caused.
- Do not apply the following excessive force to this product.
  - Resting your weight on this product
  - Placing heavy objects on this product
  - Stacking up this product
  - Applying excessive force to the buttons, switches, or I/O connectors
  Otherwise, injury or damage to the product may be caused.
- Do not pull connected cables.
  Otherwise, the product may fall or tip over, resulting in injuries or damage to the product.

Precautions for use

NOTICE

Follow the precautions below to avoid malfunction and damage to this product and to prevent the loss of data.

Power supply

• If you plan not to use this product for a long period of time, remove the power cord plug from the AC outlet. Even when [⏻] (Power) on the front panel is turned off, a small amount of current still flows through this product.

Installation

• Depending on the environment in which you use the product, a phone, radio or TV may generate noise. In that case, change the product location or orientation, or the surrounding environment.
• Do not install this product in a place subject to:
  - Direct sunlight
  - Extremely high or low temperatures
  - Excessive dust
  Otherwise, malfunction or damage to the product may be caused.
• Do not install this product in a place where condensation can form due to rapid, drastic changes in ambient temperature. Using the product while condensation is present may cause damage to the product. If there is a reason to believe that condensation might have occurred on or in this product, leave it for several hours without turning on the power. You can start using the product when the condensation has completely dried.

Handling

• Do not place any vinyl, plastic or rubber products on this product. Otherwise, the panel may be discolored or deteriorate.

Maintenance

• Use a dry, soft cloth to clean this product. Do not use benzine, thinner, detergent or chemical rag to clean the surface of the product. Otherwise, the surface may be discolored or deteriorate.

Important information

NOTE

This section describes precautions to be observed during use, functional restrictions, and supplemental information that may be helpful for you.

Disposal or transfer

• If you plan to transfer ownership of this product, include this document and the supplied accessories along with the product.
• Follow the rules of your local authority to dispose of this product and its accessories.
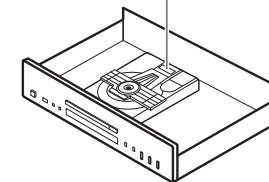• Follow the rules of your local authority to dispose of used batteries.

⚠ **WARNING**

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

CLASS 1 LASER PRODUCT
LASER KLASSE 1 PRODUKT
LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT
PRODUIT LASER DE CLASSE 1
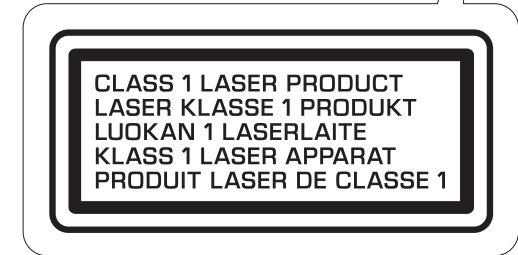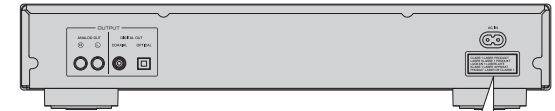
CAUTION: INVISIBLE LASER RADIATION WHEN OPEN DO NOT STARE INTO BEAM

DANGER: INVISIBLE LASER RADIATION WHEN OPEN AVOID DIRECT EXPOSURE TO THE BEAM

Software licenses
This product uses the following software.

FLAC

CONTENTS

BEFORE USING THE UNIT

Features

- Optical digital output
- Coaxial digital output
- Supports playback of CD-R and CD-RW discs
- Supports playback of files stored on USB flash drives or data CDs (MP3/WMA/AAC/WAV/FLAC)
- Random-sequence playback (page 14)
- Repeat playback (page 14)
- Program playback (audio CDs only) (page 14)
- A-B Repeat playback (audio CDs only) (page 15)
- PURE DIRECT function (page 15)
- Configurable display settings (items to be displayed/brightness) (page 15)
- Remote-controlled Standby On/Off
- Playback Mode Memory (page 19)
- Ready mode (page 19)
- Automatic Playback function (page 19)
- Auto Power Standby function (page 19)

About this manual

- This manual explains operations performed primarily on the supplied remote control.
- All illustrations in this manual are provided for the purpose of operational instruction.
- In this manual, a music CD is referred to as an audio CD, and a CD that contains MP3/WMA/AAC/WAV/FLAC data is referred to as a data CD.
- Specifications and appearance are subject to change without notice.

- ⚠ **WARNING** is intended to alert you to the risk of death or serious injury.

- ⚠ **CAUTION** is intended to alert you to the risk of personal injury.

- **Notice** should be observed to avoid malfunction and damage to this product.

- **Note** provide supplemental information that might be handy.

Accessories

- Remote control
- Power cord
- RCA stereo cable
- Batteries (AA, R6, UM-3) (x2)
- Owner's Manual (this manual)

Inserting batteries into the remote control

Insert the batteries in the proper orientation.

Batteries (AA, R6, UM-3)
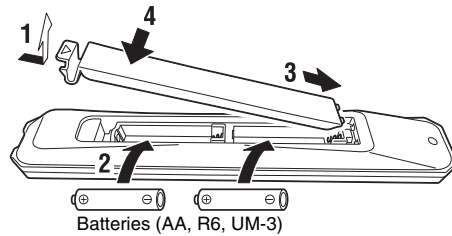
Remote control operating range

Point the remote control toward the remote control sensor on the unit from within the range shown in the figure on the right.

Within 6 m

30° 30°
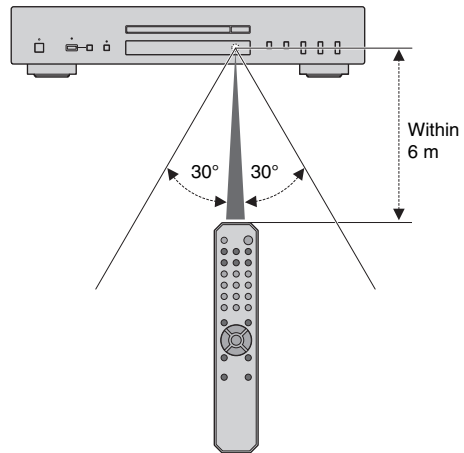
PREPARATION

Connecting to an amplifier

⚠️ **CAUTION**

• Do not plug the power cord of this unit and other connected devices into AC outlets until all non-power connections are complete.

This unit (rear)

RCA stereo cable
(supplied)

Coaxial digital audio cable
(commercially available)

Optical digital cable
(commercially available)

Amplifier

Amplifier

ANALOG IN

COAXIAL   OPTICAL
DIGITAL IN

Connecting the power cord

After all the connections are complete, connect the supplied power cord to the AC IN connector on this unit, and then plug the other end into an AC outlet.

Power cord
(supplied)

To an AC wall
outlet
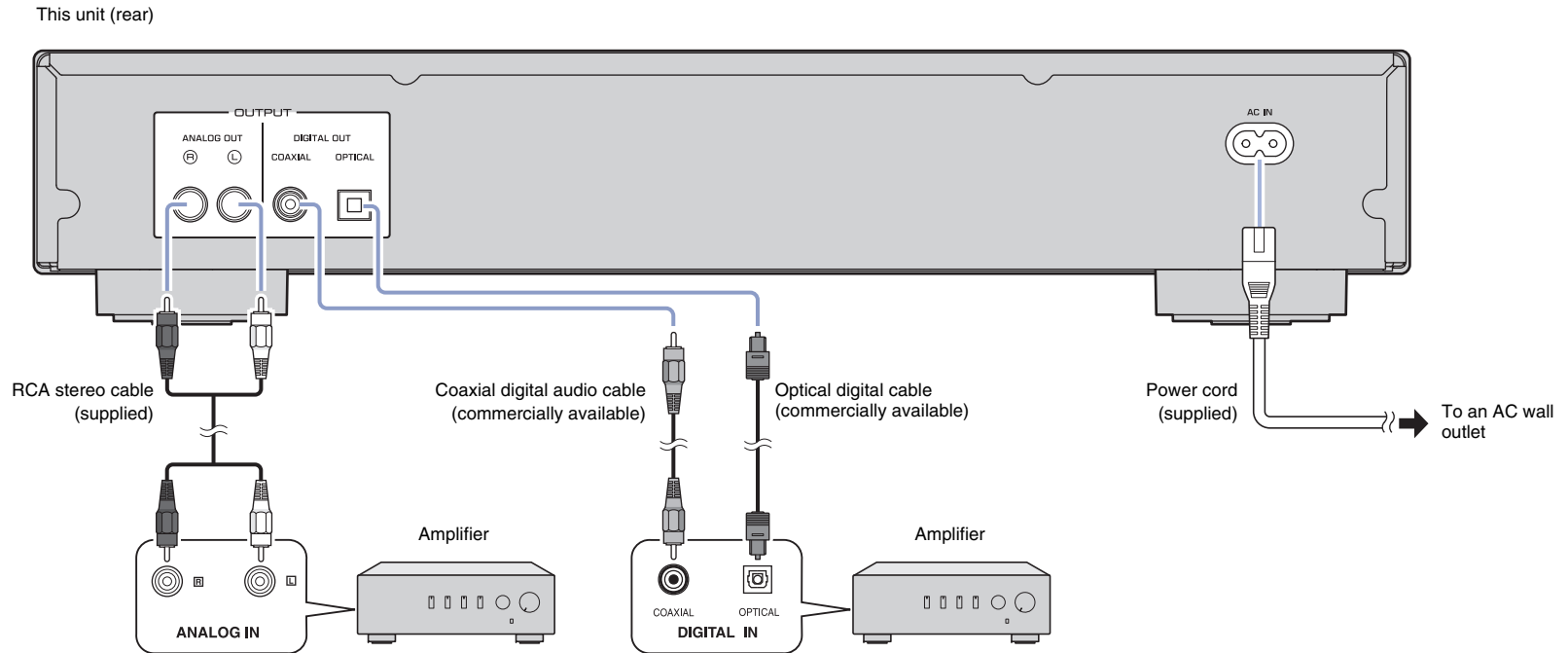
Turning on the power

To turn on the power to the unit, press ⏻ (Power) on the front panel.

Power indicator
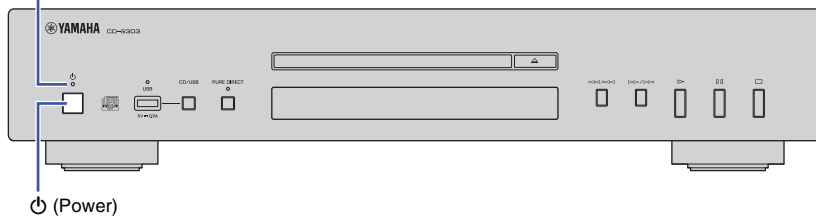
⏻ (Power)

Note

- If you press ⏻ (Power) on the remote control while the power to the unit is on, the unit will enter Standby mode.
- The power indicator on the unit operates as follows:

  Brightly lit: Power is on
  Dimly lit: Standby mode
  Off: Power is off

- This unit features an Auto Power Standby function that saves power consumption (page 19). (Default: Auto Power Standby On)

PLAYING AUDIO

OPEN/CLOSE

Numeric keys

CD/USB
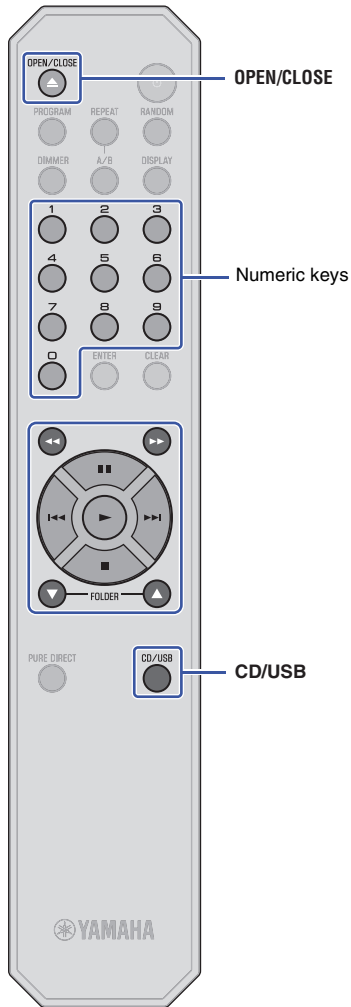
Playing an audio CD

This unit enables you to play data CDs as well as audio CDs. For information on the type of CDs that can be played on this unit, please refer to "Supported file formats/discs/USB flash drives" (page 20).

1 If the USB indicator on the front panel is lit, press CD/USB to switch to Disc mode.

2 Place a CD on the disc tray.

Press OPEN/CLOSE repeatedly to open and close the disc tray.

> **Note**
> - You can also press ⏏ (Open/Close) on the front panel repeatedly to open and close the disc tray.
> - When the unit is ready to play an audio CD, the playback media indicator (CD) on the display lights up.

3 Press ▶ (Play).

The ▶ (Play) indicator on the display lights up and playback starts.

> **Note**
> - During audio file playback, the playback media indicator reflecting the file format lights up.

> **Notice**
> - Do not insert your hand or finger into the disc tray slot. Doing so might cause injury.

> **Note**
> - After you place a CD on the disc tray, the disc tray will close and playback will start if you perform one of the following operations:
>   – Press ▶ (Play).
>   – Press a numeric key that corresponds to a track number.
> - You can configure the unit so that playback automatically starts when power to the unit is turned on or when you switch to Disc or USB mode (page 19).
>   (Default: Automatic Playback On)

Use the following remote control keys to navigate the operation.

Available keys	Function
▶ (Play)	The ▶ (Play) indicator on the display lights up and playback starts.
⏸ (Pause)	The ⏸ (Pause) indicator on the display lights up and playback pauses. ▶ alternatively, press ⏸ to resume playback.
■ (Stop)	Stops playback.
◀◀ (Search backward)*	Searches tracks backward.
▶▶ (Search forward)*	Searches tracks forward.
◀◀ (Skip backward)*	Skips back to the previous track. Skips back to the top of the current track if pressed during playback.
▶▶ (Skip forward)*	Skips to the next track.
Numeric keys	Enter a track number to directly select the corresponding track.
FOLDER ▲, ▼ (Data CDs only)	Enable you to select a folder.

* The control buttons on the front panel function as follows:

◀◀/◀◀ (Skip backward/Search backward):
Skips back to the previous track. Skips back to the top of the current track if pressed during playback. It also searches tracks backward if you press and hold the button.

▶▶/▶▶ (Skip forward/Search forward):
Skips to the next track. It also searches tracks forward if you press and hold the button.

Playing music files stored on your USB flash drive

You can play music files (stored on your USB flash drive) on this unit. For information on the supported USB flash drives, please refer to "Supported file formats/discs/USB flash drives" (page 20).

1 **If the USB indicator on the front panel is off, press CD/USB to switch to USB mode.**

The USB indicator on the front panel lights up orange.

2 **Connect the USB flash drive to the USB jack.**

When the unit is ready for playback, the playback media indicator (USB) on the display lights up, and the USB indicator on the front panel lights up green.

This unit (front panel)

USB flash drive
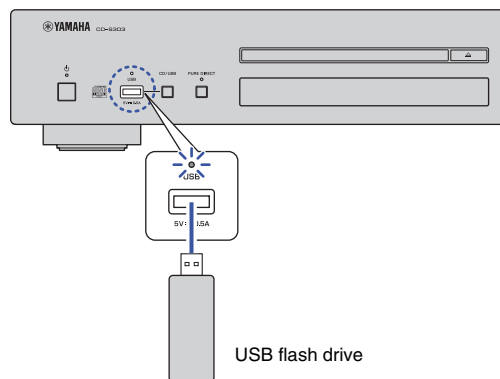
Notice

• Do not use USB extension cables.

3 **Press ▶ (Play).**

The ▶ (Play) indicator on the display lights up and playback starts.

Note

• During audio file playback, the playback media indicator reflecting the file format lights up.

• If compatible music files are stored on your USB flash drive, the unit will play them in chronological order based on date of creation.

Notice

• Do not remove the USB flash drive during playback, or while the information display on the front panel is indicating "USB READING". In this case, first press CD/USB to switch to Disc mode, make sure that the USB indicator turns off, and then remove the flash drive.

Use the following remote control keys to navigate the operation.

Available keys	Function
▶ (Play)	The ▶ (Play) indicator on the display lights up and playback starts.
▮▮ (Pause)	The ▮▮ (Pause) indicator on the display lights up and playback pauses. ▶ alternatively, press ▮▮ to resume playback.
▮ (Stop)	Stops playback.
◀◀ (Search backward)*	Searches tracks backward.
▶▶ (Search forward)*	Searches tracks forward.
◀◀ (Skip backward)*	Skips back to the previous track. Skips back to the top of the current track if pressed during playback.
▶▶▮ (Skip forward)*	Skips to the next track.
FOLDER ▲, ▼	Enable you to select a folder.

* The control buttons on the front panel function as follows:

◀◀/◁◁ (Skip backward/Search backward):

Skips back to the previous track. Skips back to the top of the current track if pressed during playback. It also searches tracks backward if you press and hold the button.

▷▷/▷▷▮ (Skip forward/Search forward):

Skips to the next track. It also searches tracks forward if you press and hold the button.

CD/USB

PROGRAM
RANDOM
REPEAT
Numeric keys
CLEAR
ENTER
▶
■
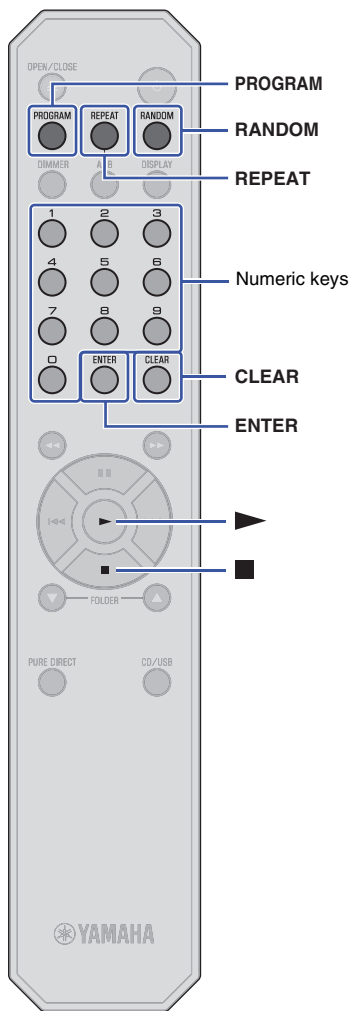
Advanced functions

You can configure playback mode and display settings using advanced functions.

Random-sequence playback

Press RANDOM to play tracks in random order. Pressing RANDOM repeatedly will change the Random-sequence playback setting as follows:

Indicator	Setting
RNDM	Plays all tracks in random order.
Off	Turns off Random-sequence playback.

Note

• To cancel Random-sequence playback, open the disc tray.

Repeat playback

Press REPEAT to play tracks repeatedly. Pressing REPEAT repeatedly will change the Repeat playback setting as follows:

Indicator	Setting
REP	Plays one track repeatedly.
REP FOLDER (Data CDs and USB flash drives only)	Plays tracks in the current folder repeatedly.
REP ALL	Plays all tracks repeatedly.
Off	Turns off Repeat playback.

Note

• To cancel Repeat playback, open the disc tray.

Playing tracks in the specified order (Program playback)

You can play audio CD tracks in the specified order.

1 **Press PROGRAM while playback is stopped.**

2 **Use the numeric keys to enter the track number of a song you want to program.**

3 **Press ENTER.**

Repeat steps 2 and 3 to program each track.

Press CLEAR to cancel each programmed track starting with the last track you programmed.

4 **Press ▶ (Play).**

The unit starts to play the tracks in the programmed order.

Note

• Program playback does not work with data CDs or USB flash drives.
• You can program up to 24 tracks.
• Do one of the following to clear all programmed tracks:
  – Press CLEAR while Program playback is stopped.
  – Turn off the power to the unit or set the unit in Standby mode.
  – Open the disc tray.
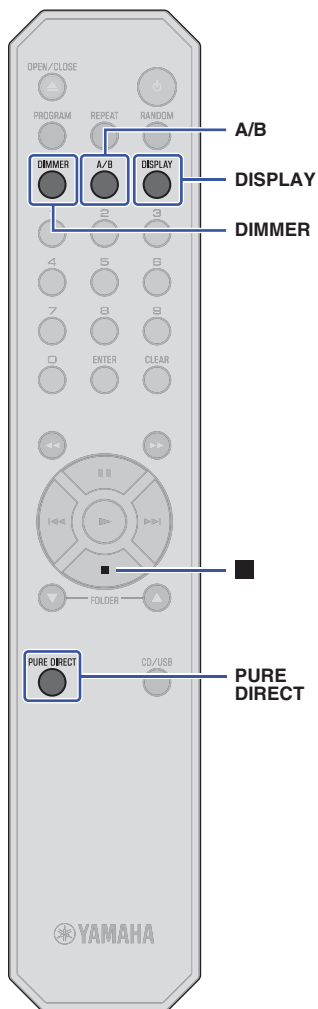
Playing a specified part repeatedly (A-B Repeat playback)

You can specify the start and end points of a track during audio CD playback to play the specified part repeatedly.

1 **Play an audio CD.**

2 **Press A/B at the point you want to start Repeat playback.**

```
CD                 TRACK              REP        A -
 ▶                  1                   0:14
```

3 **Press A/B again at the point you want to end Repeat playback.**

The unit starts Repeat playback.

```
CD                 TRACK              REP       A - B
 ▶                  1                   0:20
```

> **Note**
> • Repeat playback does not work with data CDs or USB flash drives.
> • You cannot specify the A-B Repeat setting when the PURE DIRECT function is turned on.
> • Do one of the following to cancel A-B Repeat playback:
>   – Press A/B again.
>   – Press ■ (Stop).
>   – Open the disc tray.

Enjoying high-quality sound playback (PURE DIRECT)

If the PURE DIRECT function is turned on, digital audio will not be output. In this way, the PURE DIRECT function reduces noise that would affect sound quality, enabling you to enjoy playback of high-quality sound.

Pressing PURE DIRECT repeatedly will toggle between PURE DIRECT on and off.

> **Note**
> • To use the PURE DIRECT function, connect the ANALOG OUT jacks on the rear panel to the amplifier. The DIGITAL OUT jacks will not output any signals.
> • When the PURE DIRECT function is turned on:
>   – The PURE DIRECT indicator lights up.
>   – The front panel display will be turned off while content is playing.
>   – Only a minimum number of indicators and messages will appear while you are operating the unit.
>   – This setting will be maintained after you turn off the power to the unit.

Switching information on the display

Pressing DISPLAY repeatedly during playback will switch the information on the display as follows:

Playback media	Information on the display
Audio CD	Elapsed time → Remaining time of the current track (TRACK REMAIN) → Total remaining time on the CD (TOTAL REMAIN) → Track name* → Artist name* → Album title* * If CD-text has been embedded
Data CD, USB flash drive	Elapsed time → Track name* → Artist name* → Album title* * If tags have been embedded

> **Note**
> • The information display indicates up to 64 characters (1-byte alphanumeric characters and several symbols).

Changing the display brightness

Press DIMMER repeatedly to switch between four stages of display brightness.

APPENDIX

Part names

Front panel
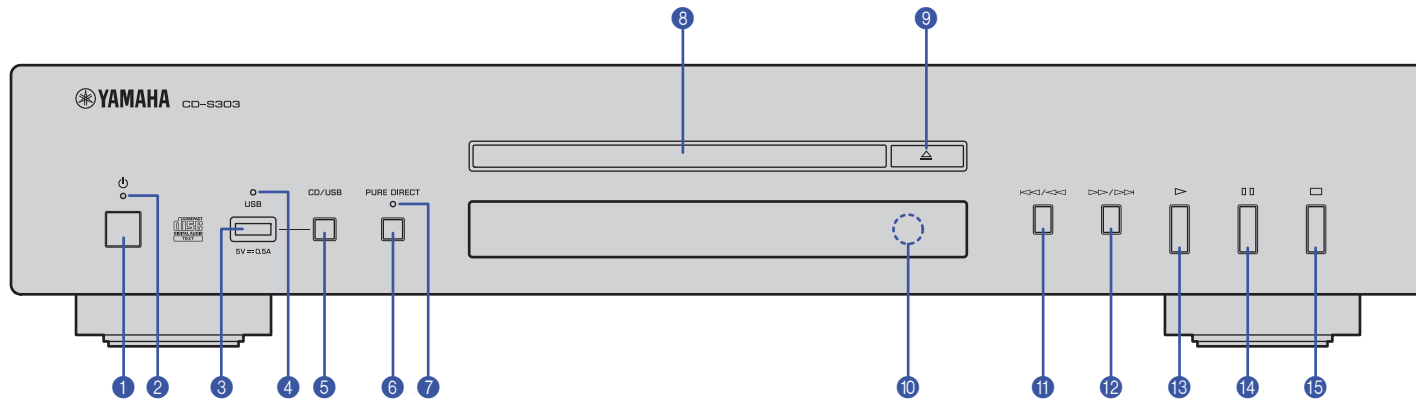
① ⏻ (Power) (page 11)

② Power indicator (page 11)

③ USB jack (page 13)

④ USB indicator (page 13)

⑤ CD/USB (pages 12, 13)

⑥ PURE DIRECT (page 15)

⑦ PURE DIRECT indicator (page 15)

⑧ Disc tray (page 12)

⑨ ⏏ (Open/Close) (page 12)

⑩ Remote control sensor (page 9)

⑪ ⏮/◁◁ (Skip backward/Search backward) (pages 12, 13)

⑫ ▷▷/⏭ (Skip forward/Search forward) (pages 12, 13)

⑬ ▷ (Play) (pages 12, 13, 14)

⑭ ⏸ (Pause) (pages 12, 13)

⑮ ⏹ (Stop) (pages 12, 13, 14, 15)

Display
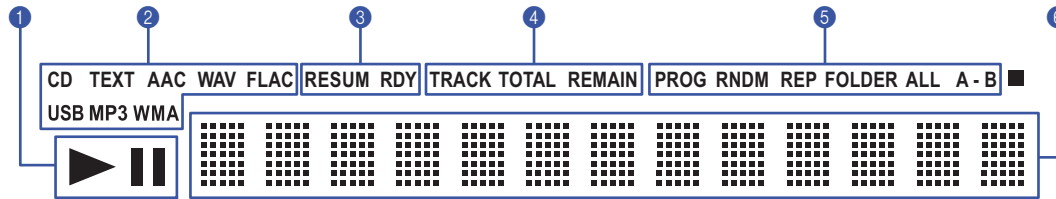
① ▶ / ❚❚ (Play/Pause) indicator (pages 12, 13)

② Playback media indicator (pages 12, 13)

③ Advanced setting indicator (page 19)

④ Time indicator (page 15)

⑤ Playback mode indicator (pages 14, 15)

⑥ Information display (pages 14, 15, 19)

Rear panel
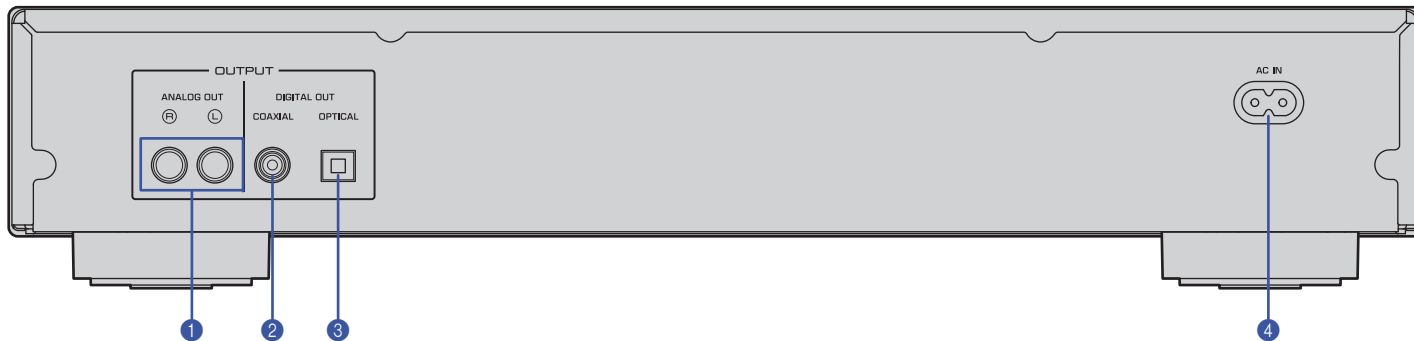
① ANALOG OUT jacks (page 10)

② DIGITAL OUT jack (COAXIAL) (page 10)

③ DIGITAL OUT jack (OPTICAL) (page 10)

④ AC IN connector (page 10)

Remote control
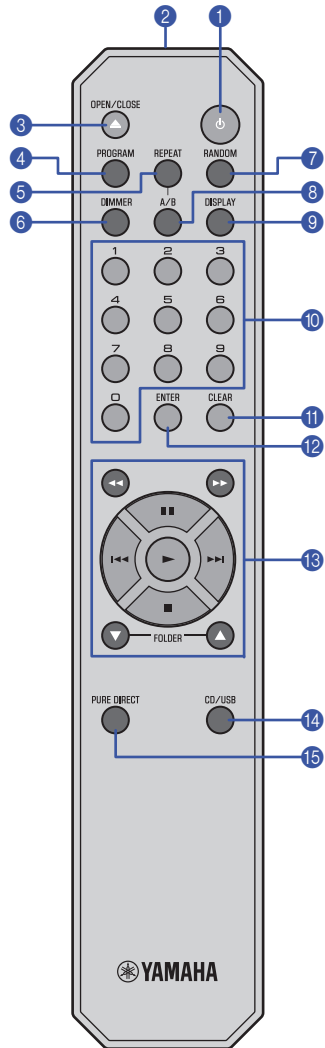
① ⏻ (Power) (page 11)

② Remote control signal transmitter (page 9)

③ OPEN/CLOSE (page 12)

④ PROGRAM (page 14)

⑤ REPEAT (page 14)

⑥ DIMMER (page 15)

⑦ RANDOM (page 14)

⑧ A/B (page 15)

⑨ DISPLAY (page 15)

⑩ Numeric keys (pages 12, 14)

⑪ CLEAR (page 14)

⑫ ENTER (page 14)

⑬ ◄◄ (Search backward), ►► (Search forward) (pages 12, 13)

   ❙❙ (Pause) (pages 12, 13)

   ❙◄◄ (Skip backward) (pages 12, 13)

   ►►❙ (Skip forward) (pages 12, 13)

   ► (Play) (pages 12, 13, 14)

   ■ (Stop) (pages 12, 13, 14, 15)

   FOLDER ▲, ▼ (pages 12, 13)

⑭ CD/USB (pages 12, 13)

⑮ PURE DIRECT (page 15)

Advanced settings

This section explains how to configure various advanced functions. You can configure most of these settings from the front panel. (Some settings require remote control operation.)
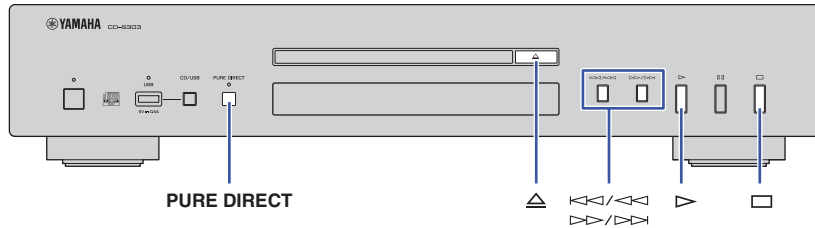
PURE DIRECT

1 **Place the unit in Standby mode (page 11).**

2 **Press and hold PURE DIRECT, ⏏ (Open/Close), and ▷ (Play), simultaneously for three seconds or longer.**

The following indicator appears on the information display of the front panel, and the unit enters setting mode. You can set the Playback Mode Memory, Ready Mode, Automatic Playback, and Auto Power Standby functions in this order.

3 **Press ⏮/◁◁ or ▷▷/⏭ to turn the function on or off.**

4 **Press ☐ (Stop).**

The setting is confirmed, and the next parameter is automatically selected. Repeat steps 3 and 4. When all settings are complete, the following indicator appears on the information display of the front panel, and the unit enters Standby mode.

> **Note**
>
> • If you press ▷ (Play) during this process, the setting at that point will be confirmed, and the unit will enter Standby mode.

Playback Mode Memory (PLAY MEM)

With this function enabled, the unit retains the Repeat playback and Random-sequence playback settings even after the power to the unit is turned off. When the Playback Mode Memory function is turned on, the Advanced setting indicator (RESUM) on the display lights up.

Default: Off

> **Note**
>
> • If you turn on the power to the unit after enabling the Playback Mode Memory function, the unit will play the most recently-played track or file from the beginning.

Ready Mode (RDY MODE)

With this function enabled, the unit pauses each time the playback of a track has completed. You can start playback of the next track when you choose. When the Ready Mode function is enabled, the Advanced setting indicator (RDY) on the display lights up.

Default: Off

Automatic Playback (AUTO PLAY)

With this function enabled, the unit automatically starts playback when power to the unit is turned on or when you switch to Disc or USB mode.

Default: On

Auto Power Standby (AUTO STBY)

With this function enabled, the unit automatically enters Standby mode if you do not interact with it for 20 minutes after the playback has stopped.

Default: On

Supported file formats/discs/USB flash drives

❑ Supported file formats

File	Sampling frequency (kHz)	Bit depth (bit)	Bitrate (kbps)	Number of channels
MP3	32/44.1/48	—	32-320	2
WMA	32/44.1/48	—	48-192	2
AAC	32/44.1/48	—	8-320	2
WAV *	32/44.1/48/64/88.2/96	16/24	—	2
FLAC	32/44.1/48/64/88.2/96	16/24	—	2

* Linear PCM format only.

Note

- Files on a data CD or USB flash drive will be played in chronological order based on date of creation.
- This unit supports ISO9660 format discs.
- If the unit is playing a VBR (variable bitrate) file, an accurate elapsed time might not be displayed.
- Digital Rights Management (DRM) encoded content cannot be played back.

	Data CD	USB flash drive
Number of folder hierarchies (including the root folder)	9	9
Number of folders	512	512
Number of files	65535	65535

❑ Supported discs

Please use discs with the following logos.

Compact discs (audio CDs)

CD-R and CD-RW discs

- Discs with one of the following descriptions:
    FOR CONSUMER
    FOR CONSUMER USE
    FOR MUSIC USE ONLY
- For CD-R or CD-RW discs, the unit plays only the finalized discs.

Note

- This unit might not play some CD-R/CD-RW discs or discs that were improperly recorded.

CD-TEXT discs

These discs contain embedded text information, such as album titles, song names, and artist names. This information (alphanumeric characters and some symbols only) along with the elapsed time will be displayed.

Notice

- Do not use odd-shaped discs or discs with tape or a decal attached. Otherwise, malfunction of the unit may occur.
- This unit might not play some CD-RW discs or discs that were improperly recorded.
- To play back an 8-cm CD, place it in the inner recessed area of the disc tray. Do not put a normal (12-cm) CD on top of an 8-cm CD.

❑ Handling a disc

- Handle a disc carefully so as not to scratch the recorded surface. Do not bend a disc.

- If there are any fingerprints or dust on the recorded surface, use a soft cloth to wipe the surface straight from the center toward the perimeter.

- Never use a vinyl record cleaner, anti-static agent, or other chemical to wipe a disc.
- Use a soft-tip pen to write only on the label side.
- Do not leave a disc under the direct sunlight or in a location that is exposed to high temperature or humidity for a long period of time.
- Do not use a commercially-available lens cleaner. Otherwise, a malfunction may occur.
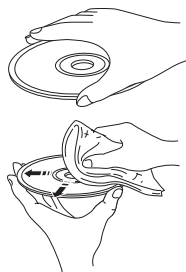
❑ Supported USB flash drives

Before you use this unit to play music files stored on a USB flash drive, make sure that the following requirements are satisfied:

- The USB flash drive complies with mass storage class requirements.
- Data has been recorded using the FAT16 or FAT32 file system.

Notice

- Some USB flash drives may not operate properly.
- USB flash drives with encryption cannot be used.
- Yamaha and its dealers are not responsible for the loss of any data stored on a USB flash drive that is connected to this unit. We recommend that you keep backup data in case of loss of data.
- Yamaha will not guarantee the operation or power supply to any USB flash drives.

Specifications

The specifications of this unit are as follows.

Output jacks

- Analog audio x 1 (RCA Unbalanced)
- Digital audio
  COAXIAL x 1, OPTICAL x 1

Other jacks

- USB × 1 (USB2.0)

Audio section

- Output Level (1 kHz, 0 dB, Fs 44.1 kHz) .... 2.0 ± 0.3 V
- S/N Ratio (IHF-A Network) (1 kHz, 0 dB, Fs 44.1 kHz) .... 105 dB or higher
- Dynamic Range (1 kHz, 0 dB, Fs 44.1 kHz) .... 96 dB or higher
- Harmonic Distortion (1 kHz, 0 dB, Fs 44.1 kHz) .... 0.003% or lower
- Frequency Response
  Audio CD .... 2 Hz – 20 kHz
  Data CD/USB   Fs 48 kHz .... 2 Hz – 22 kHz
                  Fs 96 kHz .... 2 Hz – 44 kHz, –3 dB

Laser section

- Laser Type .... AlGaAs
- Wavelength .... 790 nm
- Laser Output .... Max. 1.04 mW

General

- Power Supply
  U.S.A. and Canada models .... AC 120 V, 60 Hz
  Australia model .... AC 240 V, 50 Hz
  Europe and U.K. models .... AC 230 V, 50 Hz
  Asia and General models .... AC 110-240 V, 50/60 Hz
  China model... AC 220 V, 50 Hz
- Power Consumption... 11 W
- Standby Power Consumption
  Power Standby (Standby mode)... 0.2 W
  Power Off .... 0.2 W
- Dimensions (W × H × D)... 435 x 87 x 260 mm
- Weight... 3.5 kg

* The contents of this manual apply to the latest specifications as of the publishing date.
   To obtain the latest manual, access the Yamaha website then download the manual file.

Troubleshooting

Refer to the table below if the unit fails to function properly. If your problem is not listed below, or if the symptoms persist after you follow the instructions below, turn off the power to the unit by pressing ⏻ (Power) on the front panel, disconnect the power cord, and contact your nearest authorized Yamaha dealer or service center.

Problem	Cause	Solution	Page
Pressing the power switch does not turn the power on.	The power cord may not be properly plugged in.	Connect the power cord firmly to the AC outlet.	10
The disc tray does not close completely.	A foreign object is inside the disc tray enclosure.	Check the disc tray and remove any foreign object.	—
Unable to play the inserted disc.	The disc is scratched.	Change the disc.	—
	The lens inside the unit has condensation.	Turn on the power to the unit, wait 20 – 30 minutes, and then try to play the disc again.	—
	The disc is set upside down.	Be sure to place the disc with its label side up.	—
	The disc is dirty or scratched.	Wipe off the dirt from the disc surface, or use an unscratched disc.	21
	You tried to play files in a format that is not supported by the unit.	Be sure to use a disc that contains files in a format that is supported by the unit.	20
	You tried to play a disc that is not supported by the unit.	Be sure to use a disc that is supported by the unit.	20, 21
	The unit is in USB mode.	Press CD/USB to switch to Disc mode.	12, 16, 18
Playback does not start immediately or from the correct point.	The disc is dirty or scratched.	Wipe off the dirt from the disc surface, or use an unscratched disc.	21
Unable to play a music file stored on the USB flash drive.	The USB flash drive may not be properly connected to the unit.	Connect the USB flash drive properly.	13
	You tried to play files in a format that is not supported by the unit.	Be sure to use a USB flash drive that contains files in a format that is supported by the unit.	20
	The unit is in Disc mode.	Press CD/USB to switch to USB mode.	13, 16, 18
No sound	The unit is not connected to the amplifier properly.	Check the connection to the amplifier.	10
Audio is not output from the device connected to the DIGITAL OUT jacks.	The PURE DIRECT function is turned on.	Turn the PURE DIRECT function off.	15
The sound skips.	The unit is affected by vibration or impact.	Change the location of the unit.	—
	The disc is dirty or scratched.	Wipe off the dirt from the disc surface, or use an unscratched disc.	21

Problem	Cause	Solution	Page
Buzzing or hum noise is heard.	The RCA stereo cable is not connected firmly.	Connect the RCA stereo cable firmly. If the symptom does not improve, check to see whether the cable itself is defective.	10
Noise in the tuner	The unit is located close to the tuner.	Relocate the unit farther away from the tuner, or turn off the power to the unit.	—
The disc tray is making noise.	The disc is deformed.	Use a non-deformed disc.	—
No indication on the display	The PURE DIRECT function is turned on	Turn the PURE DIRECT function off.	15
No folder name or file name appears on the information display.	Characters other than one-byte alphanumeric are used for the folder or file name.	Use one-byte alphanumeric characters for the folder and file names.	15
The remote control does not work or function properly.	The batteries are weak.	Replace all batteries.	9
	Wrong distance or angle.	Use the remote control within the operative range.	9
	Direct sunlight or lighting (from an inverter type of fluorescent lamp, etc.) is striking the remote control sensor of this unit.	Reposition the orientation of the lighting or the unit.	—

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