

A-S701

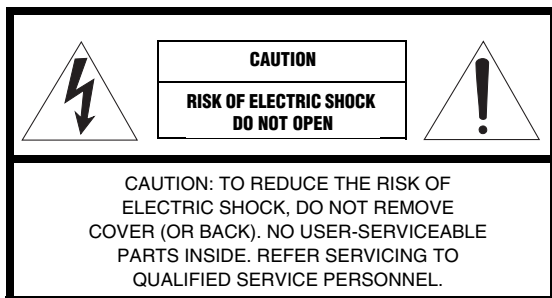
A-S501

A-S301

Integrated Amplifier

Amplificateur Intégré

IMPORTANT SAFETY INSTRUCTIONS



• Explanation of Graphical Symbols



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



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

IMPORTANT

Please record the serial number of this unit in the space below.

MODEL:

Serial No.:

The serial number is located on the rear of the unit. Retain this Owner’s Manual in a safe place for future reference.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



We Want You Listening For A Lifetime

Yamaha and the Electronic Industries Association’s Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing. Since hearing damage from loud sounds is often undetectable until it is too late, Yamaha and the Electronic Industries Association’s Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.



FCC INFORMATION (for US customers)

1 IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2 IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3 NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices.

This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America A/V Division, 6600 Orangethorpe Avenue, Buena Park, CA 90620, USA.

The above statements apply **ONLY** to those products distributed by Yamaha Corporation of America or its subsidiaries.

FOR CANADIAN CUSTOMERS

To prevent electric shock, match wide blade of plug to wide slot and fully insert.
CAN ICES-3 (B)/NMB-3(B)

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 sound system in a well ventilated, cool, dry, clean place - away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold. For proper ventilation, allow the following minimum clearances around this unit.
Top: 30 cm (11-3/4 in)
Rear: 20 cm (7-7/8 in)
Sides: 20 cm (7-7/8 in)
- 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 an AC 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 AC 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 cable and outdoor antennas disconnected from an AC 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 AC 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 ϕ (power) to set this unit to standby mode, and then disconnect the AC power plug from the AC 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 Install this unit near the AC wall outlet and where the AC power plug can be reached easily.
- 21 The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- 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 AC wall outlet, even if this unit itself is turned off by ϕ . This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

WARNING

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




This label is required to be attached to a product of which the temperature of the top cover may be hot during operation.

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About this manual

-  indicates a tip for your operation.
- The illustrations used in this Owner's Manual are A-S701.
- Depending on the model, there are some countries/regions where it may not be sold.

USEFUL FEATURES

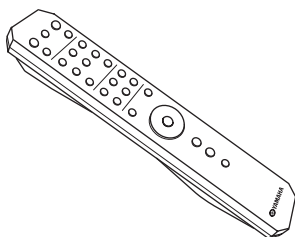
This unit allows you to:

- ◆ Enjoy the highest sound quality of compact discs by using the CD direct function (A-S701 only) (see page 12)
- ◆ Enjoy pure, high fidelity sound by using the Pure Direct function (see page 12)
- ◆ Save power by using AUTO POWER STANDBY switch (see page 4)
- ◆ Use the remote control of this unit to operate a Yamaha tuner and/or CD player (see page 7)
- ◆ Boost bass sounds by connecting a subwoofer (see page 9)

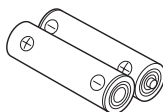
SUPPLIED ACCESSORIES

Please check that you received all of the following parts.

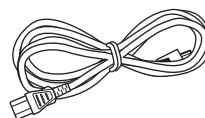
Remote control



Batteries (x2)
(AA, R6, UM-3)

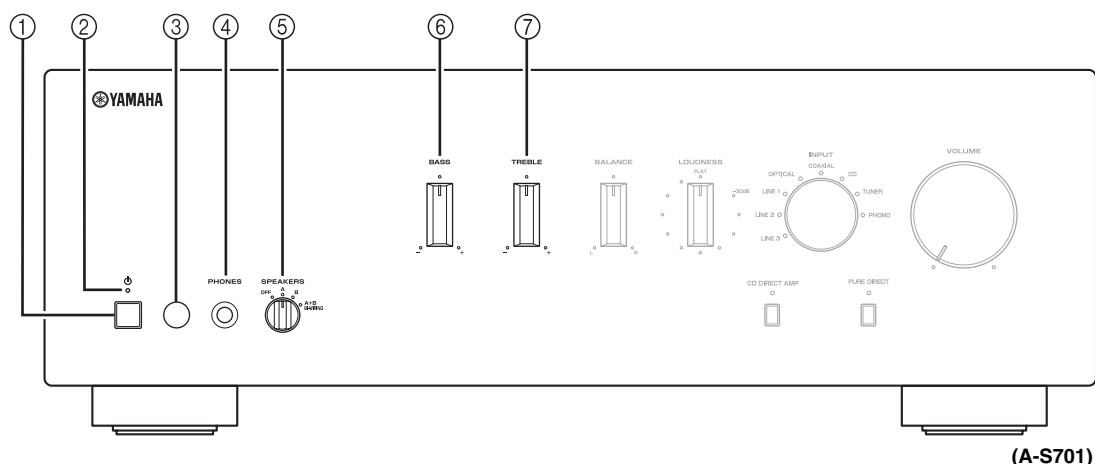


Power cable
(A-S701 only)



CONTROLS AND FUNCTIONS

Front panel



(A-S701)

① **Power switch**

Turns on and off the power of this unit.

Note

Even when this unit is turned off, this unit consumes a small amount of power.

② **Power indicator**

Indicator	Status
Brightly lit	The power of this unit is "on".
Dimly lit	This unit is in "standby" mode. For details on the "standby" mode, see page 6.
Off	The power of this unit is "off".

③ **Remote control sensor**

Receives infrared signals from the remote control.

④ **PHONES jack**

Connect your headphones.

⑤ **SPEAKERS selector**

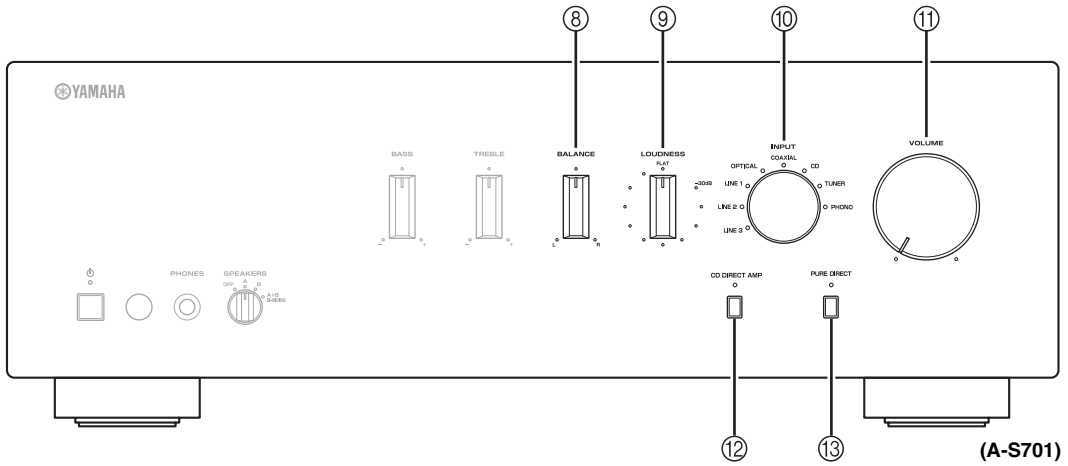
Selector position	Speaker status
OFF	Both sets of speakers are off.
A or B	The set of speakers connected to the A or B terminals is on.
A+B BI-WIRING	Both sets of speakers are on.

⑥ **BASS control**

Increases or decreases the low frequency response. The 0 position produces a flat response. Control range: -10 dB to +10 dB

⑦ **TREBLE control**

Increases or decreases the high frequency response. The 0 position produces a flat response. Control range: -10 dB to +10 dB



⑧ BALANCE control

Adjusts the sound output balance of the left and right speakers to compensate for sound imbalances.

Note

If you rotate the BALANCE control to the end of L (left) or R (right), the opposite side of channel is muted.

⑨ LOUDNESS control

Retain a full tonal range at any volume level (see page 12).

⑩ INPUT selector and indicators

Selects the input source you want to listen to. The input source indicators light up when the corresponding input sources are selected.



The input source names correspond to the names of the connection jacks on the rear panel.

⑪ VOLUME control

Increases or decreases the sound output level.

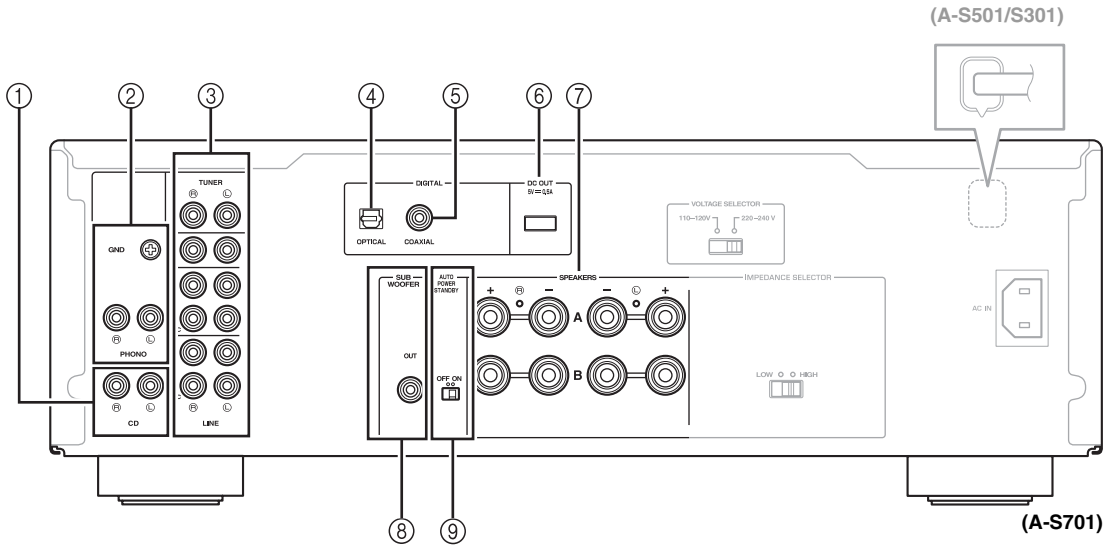
⑫ CD DIRECT AMP button and indicator (A-S701 only)

Reproduces CD sound in the highest signal quality (see page 12). The indicator above it lights up when this function is turned on.

⑬ PURE DIRECT button and indicator

Reproduces any input source in the purest sound possible (see page 12). The indicator above it lights up when this function is turned on.

Rear panel



① **CD input jacks**

Used to connect a CD player (see page 9).

② **PHONO jacks and GND terminal**

Used to connect a turntable that uses an MM cartridge, and to ground the terminal (see page 9).

③ **Audio input/output jacks**

Used to connect external components, such as a tuner, etc (see page 9).

④ **DIGITAL (OPTICAL) jack**

Used to connect a component with a digital optical output (see page 9).

⑤ **DIGITAL (COAXIAL) jack**

Used to connect a component with a digital coaxial output (see page 9).

⑥ **DC OUT jack**

For supplying power to a Yamaha AV accessory. For details on connections, refer to the instruction manual of the AV accessory.

⑦ **SPEAKERS A/B terminals**

Used to connect one or two speaker sets (see page 9).

⑧ **SUBWOOFER OUT jack**

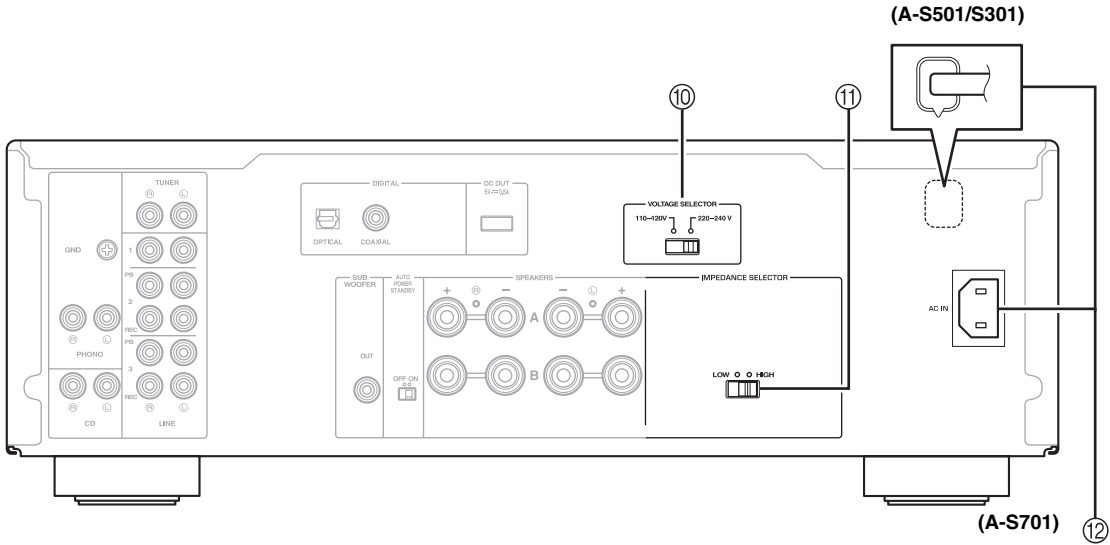
Used to connect a subwoofer with built-in amplifier (see page 9).



The SUBWOOFER OUT jack attenuates signals over 90 Hz.

⑨ **AUTO POWER STANDBY switch**

Switch position	Status
ON	The unit enters standby mode automatically if not operated for 8 hours.
OFF	The unit does not enter standby mode automatically.



⑩ **VOLTAGE SELECTOR (General model only)**
Used to set to your local main voltage (see page 10).

⑪ **IMPEDANCE SELECTOR switch**

CAUTION

Do not change the IMPEDANCE SELECTOR switch while the power is turned on, as doing so may damage the unit.

If the IMPEDANCE SELECTOR switch may not be fully slid to either position, remove the power cable and slide the switch all the way to either position. Select the switch position according to the impedance of the speakers.

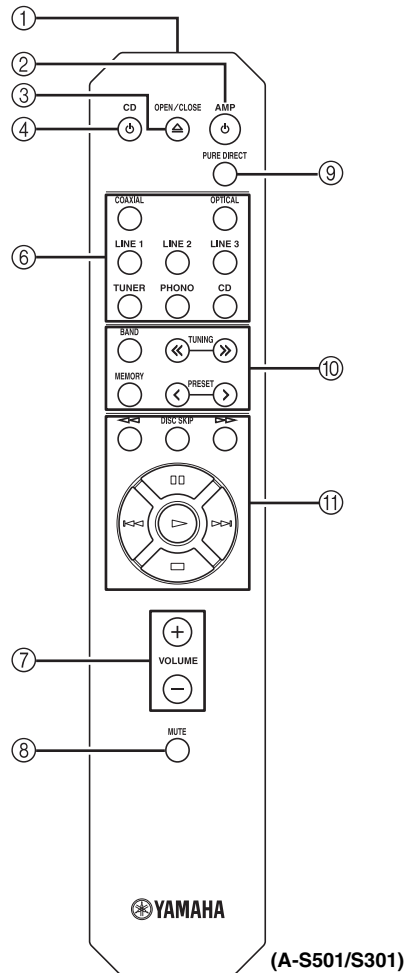
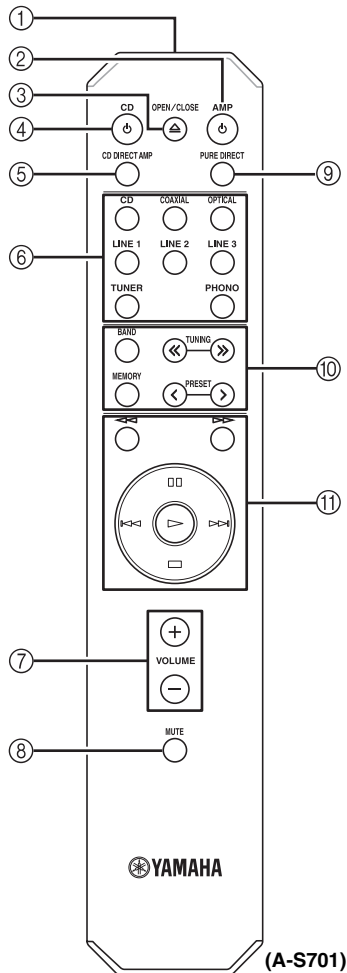
Speaker connection	Speaker impedance	Switch position
SPEAKERS A or SPEAKERS B	6 Ω or higher	HIGH
	4 Ω or higher	LOW
SPEAKERS A and SPEAKERS B	8 Ω or higher	LOW
Bi-wiring	6 Ω or higher	HIGH
	4 Ω or higher	LOW

⑫ **AC IN (A-S701)**
Used to connect the supplied power cable to an AC wall outlet (see page 10).

Power cable (A-S501/S301)

Used to connect this unit to an AC wall outlet (see page 10).

Remote control



① **Infrared signal transmitter**

Sends infrared signals.

② **AMP**

Turns this unit on, or sets it to standby mode.

③ **OPEN/CLOSE**

Opens/closes the disc tray of the Yamaha CD player. Refer to the owner's manual of your CD player for details.

Note

Even when using a Yamaha CD player, certain components and features may not be available.

④ **CD**

Turns the Yamaha CD player on, or sets it to standby mode. Refer to the owner's manual of your CD player for details.

Note

Even when using a Yamaha CD player, certain components and features may not be available.

⑤ **CD DIRECT AMP (A-S701 only)**

Reproduces CD sound in the highest signal quality (see page 12).

⑥ **Input selector buttons**

Selects the input source you want to listen to.



The input source names correspond to the names of the connection jacks on the rear panel.

- ⑦ **VOLUME +/-**
Increases or decreases the sound output level.
- ⑧ **MUTE**
Reduces the current volume level by approximately 20 dB. Press again to restore the audio output to the previous volume level. Pressing the VOLUME +/- also cancels muting.
The input indicator on the front panel for the current input source blinks while the output is muted.
- ⑨ **PURE DIRECT**
Reproduces any input source in the purest sound possible (see page 12).
- ⑩ **Yamaha tuner control buttons**
The following buttons can be used to control various functions of a Yamaha tuner.
Refer to your component's owner's manual for more information.

BAND

Selects the reception band (FM/AM).

TUNING <</>>

Selects the tuning frequency.

MEMORY

Stores the current FM/AM station as a preset.

PRESET </>

Selects a preset FM/AM station.








Note

Even when using a Yamaha tuner, certain components and features may not be available.

⑪ Yamaha CD player control buttons

The following buttons can be used to control a Yamaha CD player.

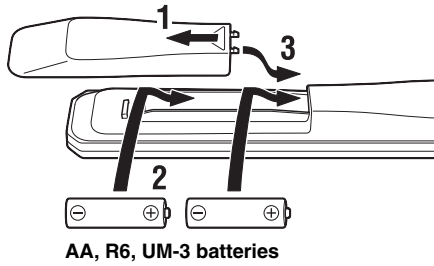
Refer to your component's owner's manual for more information.

	Rewinds playback
	Fast-forwards playback
DISC SKIP	Skips to the next disc in a CD changer (A-S501/S301 only)
	Pauses playback
	Skips backward
	Skips forward
	Starts playback
	Stops playback

Note

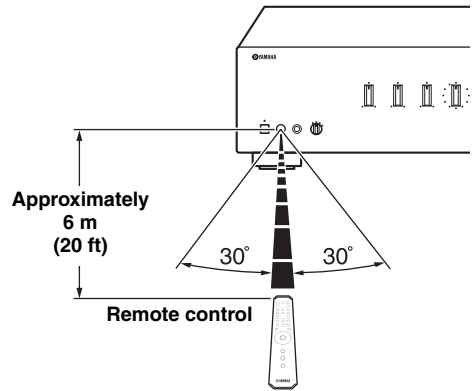
Even when using a Yamaha CD player, certain components and features may not be available.

■ **Installing batteries**



■ **Operation range**

Point the remote control at the remote control sensor on this unit and remain within the operating range shown below.



■ **Notes on remote control and batteries**

- The area between the remote control and this unit must be clear of large obstacles.
- Be careful not to spill water or other liquids on the remote control.
- Be careful not to drop the remote control.
- Do not leave or store the remote control in the following conditions:
 - places of high humidity, such as near a bathroom
 - places of high temperatures, such as near a heater or stove
 - places of extremely low temperatures
 - dusty places
- Change all batteries if you notice the operation range of the remote control narrows.
- If the batteries run out, immediately remove them from the remote control to prevent an explosion or acid leak.
- If you find leaking batteries, discard the batteries immediately, taking care not to touch the leaked material. If the leaked material comes into contact with your skin or gets into your eyes or mouth, rinse it away immediately and consult a doctor. Clean the battery compartment thoroughly before installing new batteries.
- Do not use old batteries together with new ones. This may shorten the life of the new batteries or cause old batteries to leak.
- Do not use different types of batteries (such as alkaline and manganese batteries) together. Batteries that look the same may have a different specification.
- Dispose of batteries according to your regional regulations.
- Keep the batteries in a location out of reach of children.
Batteries can be dangerous if a child were to put in his or her mouth.
- If you plan not to use this unit for a long period of time, remove the batteries from this unit. Otherwise, the batteries will wear out, possibly resulting in a leakage of battery liquid that may damage this unit.

CONNECTIONS

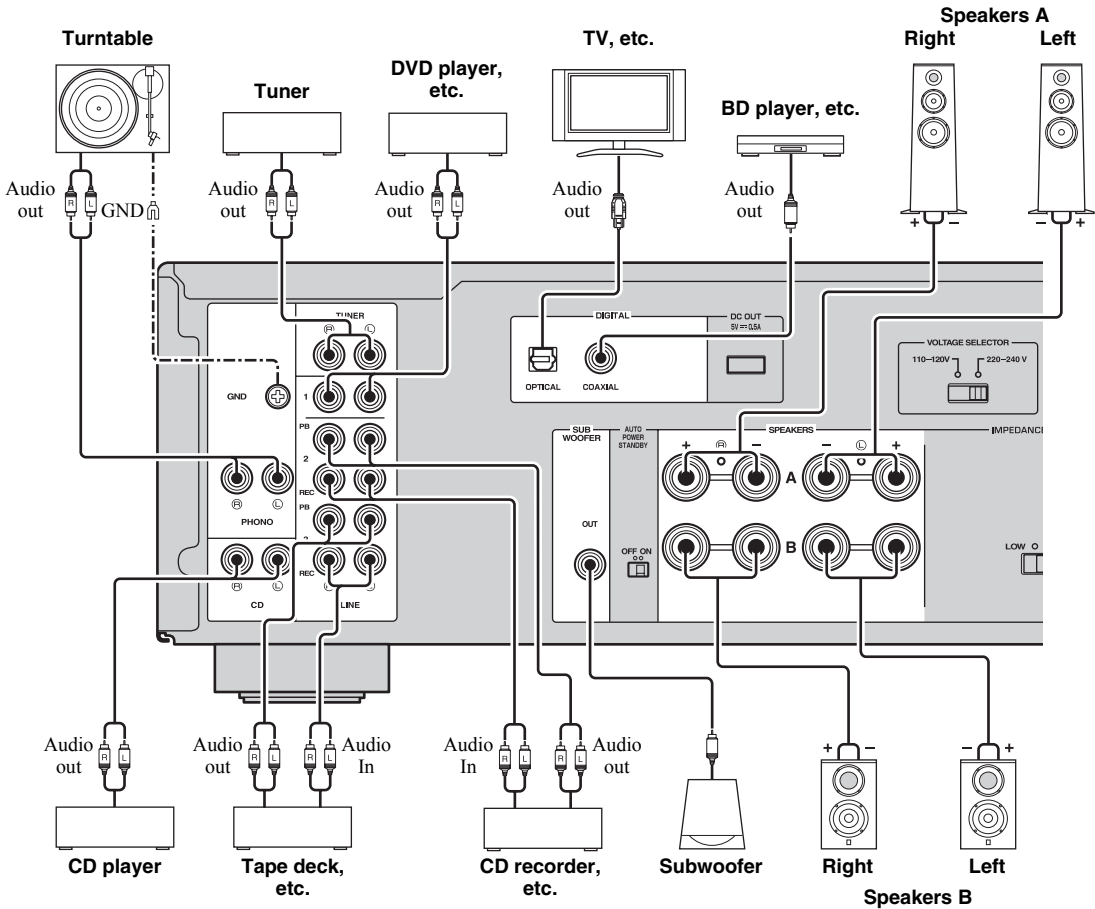
Connecting speakers and source components

Make sure to connect L (left) to L, R (right) to R, “+” to “+” and “-” to “-”. If the connections are faulty, no sound will be heard from the speakers, and if the polarity of the speaker connections is incorrect, the sound will be unnatural and lack bass. Refer to the owner’s manual for each of your components.

Make sure to use RCA cables or optical cable to connect audio components.

CAUTION

Do not connect this unit or other components to the main power until all connections between components are complete.



Only PCM signals can be input to the DIGITAL (OPTICAL/COAXIAL) jacks of this unit. For details on the supported PCM signals, see page 15.

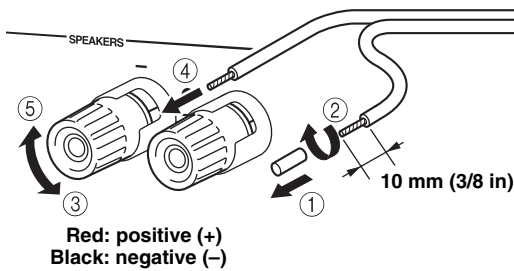
- The PHONO jacks are designed for connecting a turntable with an MM cartridge.
- Connect your turntable to the GND terminal to reduce noise in the signal. However, for some turntables, you may hear less noise without the GND connection.

■ **REC jacks**

- The audio signals are not output via the LINE 2 REC or LINE 3 REC output jacks when LINE 2 or LINE 3 is selected with the INPUT selector.
- The VOLUME, BASS, TREBLE, BALANCE and LOUDNESS controls and the CD DIRECT function (or the PURE DIRECT function) have no effect on the source being recorded.

■ **Connecting speaker cables**

- ① Remove approximately 10 mm (3/8 in) of insulation from the end of each speaker cable.
- ② Twist the bare wires of the cable firmly together.
- ③ Unscrew the knob.
- ④ Insert one bare wire into the hole in the side of each terminal.
- ⑤ Tighten the knob to secure the wire.

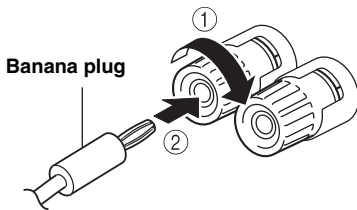


CAUTION

- Set the IMPEDANCE SELECTOR switch according to the impedance of the speakers to be connected (see page 5).
- Do not let bare speaker wires touch each other or any metal part of this unit. This could damage this unit and/or the speakers.

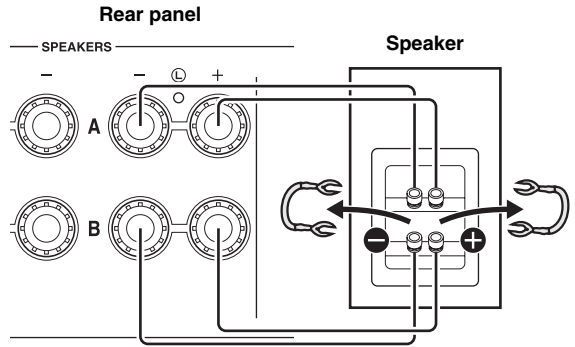
■ **Connecting via banana plug (North America, General, China and Australia models only)**

- ① Tighten the knob.
- ② Insert the banana plug into the end of the corresponding terminal.



■ **Bi-wire connection**

In the case of speakers supporting the bi-wiring connection, the tweeter/midrange unit and woofer of the speakers can be driven independently through connections shown in the following figure, allowing you to enjoy clear mid- and high-range sounds.



Connect the other speaker to the other set of terminals in the same way.

Note

When making bi-wire connections, remove the shorting bridges or cables on the speaker. Refer to the speakers' instruction manuals for more information.



To use the bi-wire connections, set the SPEAKERS selector on the front panel to the A+B BI-WIRING position.

Connecting power cable

CAUTION

(General model only)

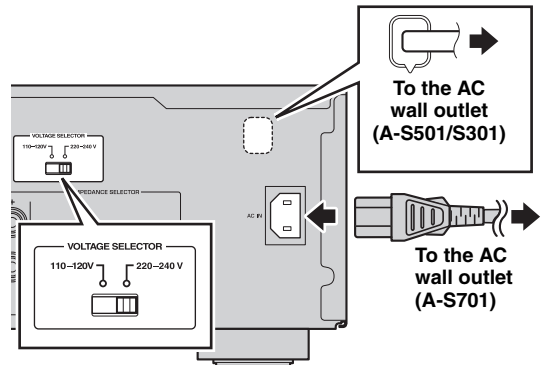
Before connecting the power cable, make sure you set VOLTAGE SELECTOR of this unit according to your local voltage. Improper setting of VOLTAGE SELECTOR may cause fire and damage to this unit.

■ **AC IN (A-S701)**

Connect the supplied power cable to AC IN after all other connections are complete.

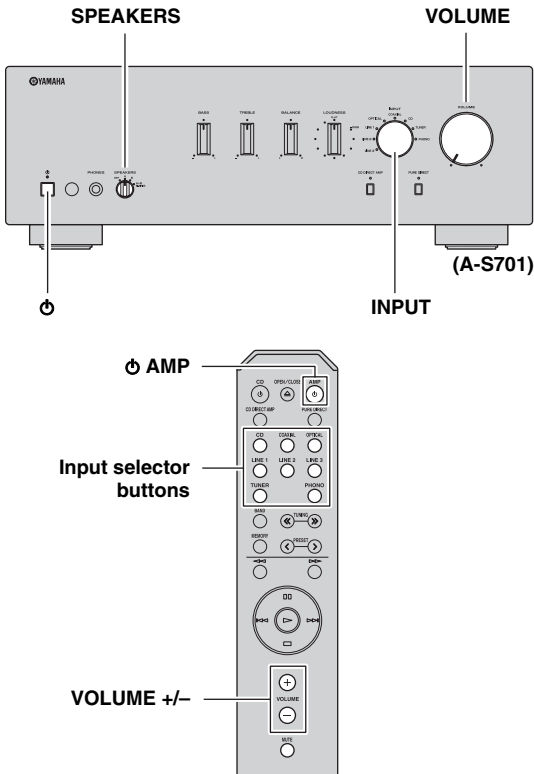
■ **Power cable (A-S501/S301)**

Connect the power cable to an AC wall outlet after all other connections are complete.



PLAYBACK

Playing a source



- 1 Rotate the **VOLUME** control on the front panel fully counter-clockwise so as not to play sounds loud suddenly.
- 2 Press **⏻** (power) switch on the front panel inward to turn on this unit.
- 3 Rotate the **INPUT** selector on the front panel (or press one of the Input selector buttons on the remote control) to select the input source you want to listen to.
The indicator for the selected input source lights up.

- 4 Rotate the **SPEAKERS** selector on the front panel to select **SPEAKERS A, B** or **A+B BI-WIRING**.



Set the **SPEAKERS** selector to the **A+B BI-WIRING** position when two sets of speakers are connected using bi-wire connections, or when using two sets of speakers simultaneously (A and B).

- 5 Play the selected input source.

- 6 Rotate the **VOLUME** control on the front panel (or press **VOLUME +/-** on the remote control) to adjust the sound output level.



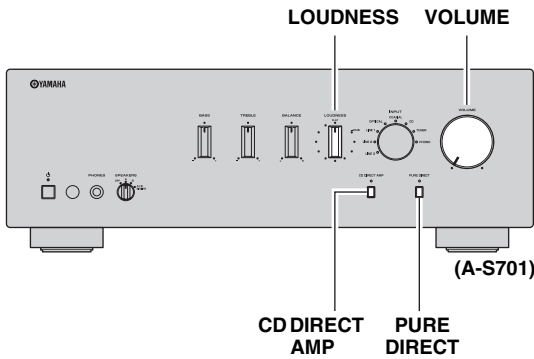
You can adjust to the desired sound by using the **BASS**, **TREBLE**, **BALANCE** and **LOUDNESS** controls, the **CD DIRECT AMP** button, or the **PURE DIRECT** button on the front panel.

- 7 When finished listening, press **⏻** (power) switch on the front panel outward to turn off this unit.



If **⏻ AMP** on the remote control is pressed while the **⏻** (power) switch on the front panel is in the on position, this unit enters standby mode. Press **⏻ AMP** again to turn this unit on.

Adjusting to the desired sound



■ Making it easier to hear the high- and low-frequency ranges even at low volume (LOUDNESS)

Enjoy natural sound even at low volume by lowering the mid-range sound level and compensating for the human ears' loss of sensitivity to high- and low-frequency ranges at low volume.

CAUTION

If the CD DIRECT AMP function (or the PURE DIRECT function) is turned on with the LOUDNESS control set at a certain level, the input signals bypass the loudness control, resulting in a sudden increase in the sound output level. To prevent your ears or the speakers from being damaged, be sure to press the CD DIRECT AMP button (or the PURE DIRECT button) **AFTER lowering the sound output level or AFTER checking that the LOUDNESS control is properly set.**

- 1** Set the **LOUDNESS** control to the **FLAT** position.
- 2** Rotate the **VOLUME** control on the front panel (or press **VOLUME +/-** on the remote control) to set the sound output level to the loudest listening level that you would listen to.
- 3** Rotate the **LOUDNESS** control counterclockwise until the desired volume is obtained.

■ Reproducing pure, high fidelity sound (PURE DIRECT)

When the PURE DIRECT function is on, noise can be reduced by bypassing the circuit that the audio input signal is not using and stopping the power supply to the circuit.

Therefore, in all input sources, you can enjoy music playback in straight and high quality sound.

The indicator above the PURE DIRECT button lights up when this function is turned on.

Note

The BASS, TREBLE, BALANCE and LOUDNESS controls do not function while the PURE DIRECT function is turned on.

■ Reproducing CD sound with the highest sound quality (CD DIRECT AMP) (A-S701 only)

When selecting the input source other than CD, if you press the CD DIRECT AMP button, the input source switches to CD.

CD Direct Amp feature

Stop power supply to the unnecessary circuit for CD playback, convert the input signal to the normal phase and reverse phase, and balance transfer to the electronic volume. With the following effects, a more faithful sound to the original will be provided.

- improved signal-to-noise ratio
- external noise canceling
- reduced distortion

Notes

- The BASS, TREBLE, BALANCE and LOUDNESS controls do not function while the CD DIRECT AMP function is turned on.
- Be sure to connect the CD player to the CD input jacks if you use the CD direct function.
- The CD DIRECT AMP function is turned off if the following operation is performed.
 - Select an input source other than CD for the INPUT selector.
 - The PURE DIRECT function is turned on.

TROUBLESHOOTING

Refer to the chart below if this unit does not function properly. If the problem you are experiencing is not listed below or if the instructions below do not help, turn off this unit, disconnect the power cable, and then contact the nearest authorized Yamaha dealer or service center.

Problem	Cause	Remedy	See page
This unit fails to turn on.	The power cable is not connected or the plug is not completely inserted.	Connect the power cable firmly.	10
	The Φ AMP is pressed on the remote control while this unit is turned off.	Press Φ (power) switch on the front panel to on.	2
	The impedance setting of the connected speaker is too small.	Use speaker(s) with proper speaker impedance.	5
	The protection circuitry has been activated because of a short circuit, etc.	Check that the speaker wires are not touching each other and then turn the power of this unit back on.	10
	There is a problem with the internal circuitries of this unit.	Disconnect the power cable and contact the nearest authorized Yamaha dealer or service center.	—
This unit turns off suddenly and the power indicator blinks.	The speaker wires are touching each other or shorting out against the rear panel.	Connect the speaker cables properly and press the Φ (power) switch again. The INPUT indicators blink and the volume is decreased to the lowest setting automatically, then the INPUT indicators stop flashing and the last input source selected lights up. Confirm normal sound output from speakers by increasing the volume gradually.	10
	The speaker is malfunctioning.	Replace the speaker set and press the Φ (power) switch again. The INPUT indicators blink and the volume is decreased to the lowest setting automatically, then the INPUT indicators stop flashing and the last input source selected lights up. Confirm normal sound from speakers by increasing the volume gradually.	—
	The protection circuitry has been activated because of excessive input or excessive volume level.	Rotate the VOLUME control on the front panel to decrease the volume level and then turn the power on again.	—
	The protection circuitry has been activated due to excessive internal temperature.	Allow about 30 minutes for the temperature inside this unit to decrease, rotate the VOLUME control on the front panel to lower the volume and then turn the power on again. Set the unit in a place where heat can readily dissipate from the unit.	—
	The IMPEDANCE SELECTOR switch is not fully slid to either position.	Turn the power off and slide the IMPEDANCE SELECTOR switch all the way to the correct position.	5
	The IMPEDANCE SELECTOR switch is not set to the correct position.	Set the IMPEDANCE SELECTOR switch to the position that corresponds to the impedance of your speakers.	5
	This unit has been exposed to a strong external electric shock (such as lightning or strong static electricity).	Turn off this unit, disconnect the power cable, plug it back in after 30 seconds, then use the unit normally.	—
	There is a problem with the internal circuitries of this unit.	Disconnect the power cable and contact the nearest authorized Yamaha dealer or service center.	—
	No sound.	Sound is muted.	Press MUTE on the remote control or rotate the VOLUME control.
Incorrect cable connections.		Connect the stereo cable for audio units and the speaker wires properly. If the problem persists, the cables may be defective.	9

Problem	Cause	Remedy	See page
No sound.	Playback has been stopped on the connected component.	Turn the component on and start playback.	11
	No appropriate input source has been selected.	Select an appropriate input source with the INPUT selector on the front panel (or one of the Input selector buttons on the remote control).	11
	The SPEAKERS selector is not set properly.	Set the corresponding SPEAKERS selector to A, B or A+B BI-WIRING position.	11
	The output audio source setting on the connected component is not PCM.	Only PCM audio sources can be played via the DIGITAL (OPTICAL/COAXIAL) jacks of this unit. Set the output audio source of the connected component to PCM.	16
The sound suddenly goes off.	The automatic power down function has activated.	Confirm that there are no other issues causing this problem, and then turn this unit on again. To turn off the AUTO POWER STANDBY function, set the AUTO POWER STANDBY switch to OFF on the rear panel.	4
Only the speaker on one side can be heard.	Incorrect cable connections.	Connect the cables properly. If the problem persists, the cables may be defective.	9
	Incorrect setting for the BALANCE control.	Set the BALANCE control to the appropriate position.	3
There is a lack of bass and no ambience.	The + and – wires are connected in reverse at the amplifier or the speakers.	Connect the speaker wires to the correct + and – phase.	10
A “humming” sound can be heard.	Incorrect cable connections.	Connect the audio plugs firmly. If the problem persists, the cables may be defective.	9, 10
	No connection from the turntable to the GND terminal.	Make the GND connection between the turntable and this unit.	9
The volume level cannot be increased, or the sound is distorted.	The component connected to the LINE 2 REC or LINE 3 REC jacks of this unit is turned off.	Turn on the power of the component.	—
The sound is degraded when listening with headphones connected to a CD player connected to this unit.	This unit is turned off or is in standby mode.	Turn on the power of this unit.	—
The sound level is low.	Sound is muted.	Press MUTE on the remote control or rotate the VOLUME control.	7
	The loudness control function is operating.	Turn down the volume, set the LOUDNESS control to the FLAT position, and then adjust the volume again.	12
The volume level is low while playing a record.	The turntable is connected to the jacks other than the PHONO jacks.	Connect the turntable to the PHONO jacks.	9
	The record is being played on a turntable with an MC cartridge.	Use a turntable equipped with an MM cartridge.	9
Using the BASS, TREBLE, BALANCE and LOUDNESS controls does not affect the sound.	The CD DIRECT function or the PURE DIRECT function is turned on.	The CD DIRECT function or the PURE DIRECT function must be turned off to use those controls.	12

SPECIFICATIONS

AUDIO SECTION

Item		A-S701	A-S501	A-S301
Minimum RMS output power	8 Ω, 20 Hz to 20 kHz, 0.019% THD	100 W + 100 W	85 W + 85 W	60 W + 60 W
	6 Ω, 20 Hz to 20 kHz, 0.038% THD (Except for Asia and China models)	120 W + 120 W	100 W + 100 W	70 W + 70 W
Dynamic power per channel (IHF)	8 Ω	140 W	130 W	100 W
	6 Ω	170 W	150 W	120 W
	4 Ω	220 W	185 W	140 W
	2 Ω	290 W	220 W	150 W
Maximum power per channel	1 kHz, 0.7% THD, 4 Ω (U.K. and Europe models only)	160 W	120 W	95 W
IEC power	1 kHz, 0.019% THD, 8 Ω (U.K. and Europe models only)	115 W	100 W	75 w
Power band width	0.04% THD, 50 W, 8 Ω	10 Hz to 50 kHz	—	—
	0.04% THD, 42.5 W, 8 Ω	—	10 Hz to 50 kHz	—
	0.04% THD, 30 W, 8 Ω	—	—	10 Hz to 50 kHz
Damping factor (SPEAKERS A)	1 kHz, 8 Ω	240 or more		210 or more
Maximum Effective Output Power (JEITA)	1 kHz, 10% THD, 8 Ω (Asia, China and General models only)	145 W	130 W	100 W
	1 kHz, 10% THD, 6 Ω (General model only)	170 W	—	—
Input sensitivity/Input impedance	PHONO (MM)	3.0 mV/47 kΩ		
	CD, etc.	200 mV/47 kΩ		
Maximum input signal	PHONO (MM) (1 kHz, 0.03% THD)	45 mV or more		
	CD etc. (1 kHz, 0.5% THD)	2.2 V or more		
Output level/Output impedance	REC OUT	200 mV/1.0 kΩ or less		
	SUBWOOFER OUT (Cut Off Frequency: 100 Hz)	3.5 V/1.2 kΩ		
PHONES jack rated output/ Impedance	CD, etc. (Input 1 kHz, 200 mV, 8 Ω)	470 mV/470 Ω	430 mV/470 Ω	360 mV/470 Ω
Frequency response	CD, etc. (20 Hz to 20 kHz)	0 ± 0.5 dB		
	CD, etc. PURE DIRECT on (10 Hz to 100 kHz)	0 ± 1.0 dB		
RIAA equalization deviation	PHONO (MM)	± 0.5 dB		
Total harmonic distortion	PHONO (MM) to REC OUT (20 Hz to 20 kHz, 2.5 V)	0.03 % or less		
	CD, etc. to SPEAKERS (20 Hz to 20 kHz, 50 W, 8 Ω)	0.019 % or less	—	—
	CD, etc. to SPEAKERS (20 Hz to 20 kHz, 45 W, 8 Ω)	—	0.019 % or less	—
	CD, etc. to SPEAKERS (20 Hz to 20 kHz, 30 W, 8 Ω)	—	—	0.019 % or less

SPECIFICATIONS

Item		A-S701	A-S501	A-S301
Signal to noise ratio (IHF-A network)	PHONO (MM) (5 mV input shorted)	82 dB or more		
	CD, etc. PURE DIRECT on (200 mV input shorted)	99 dB or more		
	CD DIRECT AMP on	104 dB or more	—	—
Residual noise (IHF-A network)		40 μ V		
Channel separation	CD, etc. (5.1 k Ω input shorted, 1 kHz)	65 dB or more		
	CD, etc. (5.1 k Ω input shorted, 10 kHz)	50 dB or more		
Tone control characteristics	BASS	Boost/ Cut (20 Hz)	\pm 10 dB	
		Turnover frequency	400 Hz	
	TREBLE	Boost/ Cut (20 kHz)	\pm 10 dB	
		Turnover frequency	3.5 kHz	
Continuous loudness control	Attenuation (1 kHz)	– 30 dB		
Supported digital audio format (OPTICAL/COAXIAL)	PCM (2-ch)	192/176.4/96/88.2/48/44.1/32 kHz		
PCM word depth		24 bit/16 bit		

GENERAL

Item		A-S701	A-S501	A-S301
Power supply	U.S.A. and Canada models	AC 120 V, 60 Hz		
	Asia model	AC 220-240 V, 50/60 Hz		
	General model	AC 110-120 V/220-240 V, 50/60 Hz		
	China model	—	AC 220 V, 50 Hz	
	Korea model	—	—	AC 220 V, 60 Hz
	Australia model	AC 240 V, 50 Hz		
	U.K. and Europe models	AC 230 V, 50 Hz		
Power consumption	U.S.A and Canada, General, Australia, U.K and Europe models	270 W	240 W	190 W
	Asia model	230 W	220 W	170 W
	China model	—	220 W	170 W
	Korea model	—	—	190 W
Standby power consumption		0.5 W		
Maximum power consumption	1 kHz 6 Ω 10% THD (General model only)	580 W	510 W	430 W
Dimensions	W \times H \times D	435 \times 151 \times 387 mm (17-1/8" \times 6" \times 15-1/4")		
Weight		11.2 kg (24.7 lbs)	10.3 kg (22.7 lbs)	9.0 kg (19.8 lbs)

Specifications are subject to change without notice.



Yamaha Worldwide Representative Offices

For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

Pour plus de détails sur les produits, contactez votre représentant Yamaha le plus proche de chez vous ou le distributeur agréé indiqué ci-dessous.

NORTH AMERICA

CANADA

Yamaha Canada Music Ltd.

135 Milner Avenue, Tronto ON M1S 3R1, Canada

U.S.A.

Yamaha Corporation of America

6600 Orangethorpe Ave., Buena Park, Calif. 90620,
U.S.A.

CENTRAL & SOUTH AMERICA

MEXICO

Yamaha de México S.A. de C.V.

Avenida Insurgentes número 1647,
Col. San José Insurgentes, C.P. 03900,
Deleg. Benito Juárez, México, D.F.

BRAZIL

Yamaha Musical do Brasil Ltda.

Rua Joaquim Floriano, 913 - 4' andar, Itaim Bibi,
CEP 04534-013 Sao Paulo, SP. BRAZIL

ARGENTINA

Yamaha Music Latin America, S.A.

Sucursal de Argentina

Olga Cossettini 1553, Piso 4 Norte
Madero Este-C1107CEK
Buenos Aires, Argentina

PANAMA AND OTHER LATIN AMERICAN COUNTRIES / CARIBBEAN COUNTRIES

Yamaha Music Latin America, S.A.

Torre Banco General, Piso 7, Urbanización Marbella,
Calle 47 y Aquilino de la Guardia,
Ciudad de Panamá, Panamá

EUROPE

EUROPEAN COUNTRIES

Yamaha Music Europe GmbH

Siemensstrasse 22-34, 25462 Rellingen, Germany

RUSSIA

Yamaha Music (Russia)

Room 37, bld. 7, Kievskaya street, Moscow,
121059, Russia

AFRICA

Yamaha Music Gulf FZE

LOB 16-513, P.O.Box 17328, Jubel Ali, Dubai,
United Arab Emirates

As of April 2013
AVRO1301A

ZF73310-1

Yamaha Corporation, AV Products Division

Nakazawa-cho 10-1, Naka-ku, Hamamatsu, Japan 430-8650

ヤマハ株式会社

〒430-8650 静岡県浜松市中区中沢町 10-1



MIDDLE EAST

TURKEY / CYPRUS

Yamaha Music Europe GmbH
Siemensstrasse 22-34, 25462 Rellingen, Germany

OTHER COUNTRIES

Yamaha Music Gulf FZE
LOB 16-513, P.O.Box 17328, Jubel Ali,
Dubai, United Arab Emirates

ASIA

THE PEOPLE'S REPUBLIC OF CHINA

Yamaha Music & Electronics (China) Co.,Ltd.
2F, Yunhedasha, 1818 Xinzha-lu, Jingan-qu,
Shanghai, China

INDIA

Yamaha Music India Pvt. Ltd.
Spazedge building, Ground Floor, Tower A, Sector
47, Gurgaon- Sohna Road, Gurgaon, Haryana, India

INDONESIA

PT. Yamaha Musik Indonesia (Distributor)
PT. Nusantik
Gedung Yamaha Music Center, Jalan Jend. Gatot
Subroto Kav. 4, Jakarta 12930, Indonesia

REPUBLIC OF KOREA

Yamaha Music Korea Ltd.
8F, 9F, Dongsung Bldg. 158-9 Samsung-Dong,
Kangnam-Gu, Seoul, Korea

MALAYSIA

Yamaha Music (Malaysia) Sdn., Bhd.
Lot 8, Jalan Perbandaran, 47301 Kelana Jaya,
Petaling Jaya, Selangor, Malaysia

SINGAPORE

Yamaha Music (Asia) PRIVATE LIMITED
Blk 202 Hougang Street 21, #02-00,
Singapore 530202, Singapore

TAIWAN

Yamaha Music and Electronics Taiwan Co., Ltd.
3F, #6, Sec.2, Nan Jing E. Rd., Taipei,
Taiwan, R.O.C

THAILAND

Siam Music Yamaha Co., Ltd.
4, 6, 15 and 16th floor, Siam Motors Building,
891/1 Rama 1 Road, Wangmai,
Pathumwan, Bangkok 10330, Thailand

VIETNAM

Yamaha Music Vietnam Company, Limited
15th Floor, Nam A Bank Tower
201-203 Cach Mang Thang Tam St., Ward 4, Dist.3,
Ho Chi Minh City, Vietnam

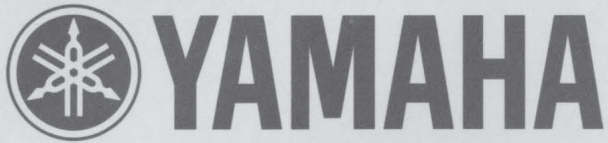
OTHER COUNTRIES

Yamaha Corporation,
Sales & Marketing Div. ASEAN Department
Nakazawa-cho 10-1, Naka-ku, Hamamatsu,
Japan 430-8650

OCEANIA

AUSTRALIA / NEW ZEALAND

Yamaha Music Australia Pty. Ltd.
Level 1, 99 Queensbridge Street, Southbank,
Victoria 3006, Australia



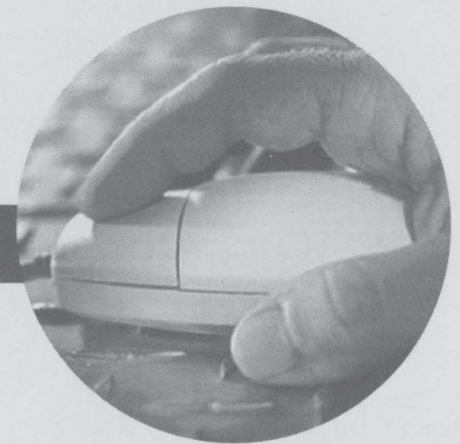
Registering Your New Yamaha Product is Fast and Easy

Thank you for purchasing a new product from Yamaha Electronics. We'd like to continue providing you with high quality products and better service. So, we've made it simple to register your new product purchase online. Please take a few minutes to visit our website at www.yamaha.com/YEC/registration/ and complete the information and questions included there. We appreciate your business and we look forward to hearing from you.

Failure to complete the registration form does not diminish your warranty rights in any way.

Register online at www.yamaha.com/YEC/registration/

Product registration applies to USA customers only.



GARANTIE DES APPAREILS STEREOPHONIQUES YAMAHA

Yamaha Canada Musique Ltée., garantit à l'acheteur original ses appareils stéréophoniques contre toutes défectuosités de matériaux et de main-d'œuvre, selon les conditions ci-dessous:

Appareils	Durée de validité de la garantie à partir de la date d'achat originale
* Récepteurs, amplificateurs, syntoniseurs, lecteurs de disque compact, projecteur de son numérique, ensembles de haut-parleurs et caissons de graves achetés séparément.....	2 années
* Lecteurs de DVD, enregistreurs de CD, lecteurs de disque Bluray, lecteurs de musique réseau et gestionnaires, radios-réveils, ensembles de haut-parleurs iPod, haut-parleurs multimédias, casques d'écoute, écouteurs, systèmes intégrés (récepteur ou amplificateur combiné à ou sur le même bâti qu'un lecteur de disque optique et haut-parleurs inclus), accessoires.....	1 année
* Cartouche a Lampe pour le Projecteur	180 jours

Sous réserve des conditions stipulées ci-après, Yamaha Canada Musique Ltée., s'engage à réparer gratuitement, incluant les pièces et la main-d'œuvre, ses appareils stéréophoniques devenant défectueux au cours de la durée de la garantie applicable.

CONDITIONS:

1. Les appareils défectueux doivent être retournés, accompagnés d'une description complète de la défectuosité et la facture d'achat, à un centre de service Yamaha autorisé.
2. Le transport, l'emballage et l'assurance sont à la charge du propriétaire.
3. La présente garantie ne s'étend pas à l'entretien normal des appareils et est assujettie à leur maintien en bon état, conformément au mode d'entretien reproduit dans le manuel d'instructions.
4. Exclus de la présente garantie:
 - a) les dommages matériels résultant d'un abus d'emploi;
 - b) les avaries survenues en cours d'expédition;
 - c) les éléments exigeant un entretien périodique, par exemple les ampoules, les courroies d'entraînement, le nettoyage des têtes enregistreuses et la lubrification;
 - d) le grillage des bobines mobiles aux haut-parleurs des médiums et des aigus (entraînés par le fonctionnement des amplificateurs au-delà de la puissance nominale);
 - e) le grillage des bobines mobiles aux haut-parleurs des graves (résultant d'une suralimentation des haut-parleurs par leur fonctionnement à des niveaux d'alimentation supérieurs à leur capacité);
 - f) les vérifications de rendement;
 - g) les fils d'interconnexion et les antennes FM;
 - h) les fusibles qui brûlent par suite d'une utilisation incorrecte.
5. Cette garantie ne couvre pas les produits qui ont été altérés ou réparés autre que par un centre de service autorisé Yamaha Audio, ou les appareils dont la marque de fabrique, le nom du fabricant, le numéro de modèle et le numéro de série ont été altérés ou enlevés.
6. LA GARANTIE NE COUVRE QUE LES APPAREILS A L'ETAT NEUF VENDUS PAR DES CONCESSIONNAIRES AUTORISES DE YAMAHA AUDIO AU CANADA, SOUS RESERVE QUE L'ACHETEUR ORIGINAL EN FASSE UNE UTILISATION NORMALE.
7. La garantie ne couvre pas le appareils stéréophoniques de Yamaha Canada Musique Ltée., vendus en Saskatchewan et auxquels s'appliquent les garanties réglementaires prévues par la loi intitulée "The Consumer Products Warranties Act, 1977" (Saskatchewan).
8. Cette garantie ne peut s'exercer dans les territoires où elle est interdite par la loi.

Adresses des centres de service principaux:

135 Milner Avenue, Scarborough, Ontario, M1S 3R1.
Tél: (416) 298-1311

Pour connaître l'adresse des autres centres de service Yamaha, renseignez-vous auprès d'un concessionnaire d'appareils stéréophoniques Yamaha ou communiquez avec l'un des centres ci-dessus.

LA CARTE DE GARANTIE N'EST PAS REQUISE.

PRIERE DE CONSERVER VOTRE FACTURE COMME PREUVE D'ACHAT EN CAS DE TOUTES REPARATIONS EFFECTUEES SOUS LA GARANTIE.



YAMAHA AUDIO WARRANTY

Yamaha Canada Music Ltd. warrants to the original purchaser of its audio products that such products are free from defects in workmanship and materials as follows:

Product	Warranty Period from date of Original Purchase
* Receivers, Amplifiers, Tuners, Compact Disc Players, Digital Sound Projectors, Speaker Systems and Subwoofers purchased individually	2 years
* DVD Players, CD Recorders, Blu-ray Disc Players, Network Music Players and Commanders, Clock Radios, iPod Speaker Systems, Powered Multimedia Speakers, Headphones, Earphones, Integrated Systems (Receiver or Amplifier combined or on same chassis with an Optical Disc Player along with any included Speakers), Accessories	1 year
* Lamp Cartridge for Projectors	180 days

Subject to the following terms and conditions if any Yamaha Canada Music Ltd. audio products become defective during the applicable warranty period. Yamaha Canada Music Ltd. will repair such product without charge, including both parts and labour.

Terms and Conditions:

1. Defective units must be returned to an authorized Yamaha Audio Service Centre together with a complete description of the defect, and Bill of Sale.
2. Any transportation, packing and insurance arrangements are the responsibility of the owner.
3. This warranty does not cover normal maintenance of the products and is subject to the products being properly maintained in accordance with the maintenance instructions contained in the Yamaha Owner's Manual.
4. This Warranty does not cover:
 - a) Physical damage due to abuse:
 - b) Shipping damage.
 - c) Normal maintenance items such as: light bulbs, drive belts, dirty tape heads, lubrication.
 - d) Burned voice coils on tweeter and midrange speakers (caused by amplifier chipping, i.e. operation of amplifier beyond rated wattage.)
 - e) Burned voice coils on woofers (caused by overpowering the speakers, i.e. operation of amplifier at power levels beyond speaker capability).
 - f) Performance checks.
 - g) Interconnection cables and FM antennas.
 - h) Blown fuses caused by improper operation.
5. This warranty does not cover products which have been altered or repaired other than by an authorized Yamaha Audio Service Centre, or products whose trademark name, model, or serial number have been altered or removed.
6. THIS WARRANTY COVERS ONLY NEW AND UNUSED MERCHANDISE SOLD BY AUTHORIZED YAMAHA AUDIO DEALERS IN CANADA, AND SUBJECTED TO NORMAL CONSUMER USE, BY THE ORIGINAL PURCHASER.
7. This warranty does not apply to Yamaha Canada Music Ltd. audio products sold in Saskatchewan, and to which statutory warranties contained in The Consumer Products Warranties Act, 1977 (Saskatchewan) are applicable.
8. This warranty is void where prohibited by law.

Factory Service Centres are located at:

135 Milner Avenue, Scarborough, Ontario, M1S 3R1.
(416) 298-1311

For the location of other service centres, contact any Yamaha Audio Dealer or one of the above.

A WARRANTY REGISTRATION CARD IS NOT REQUIRED.

PLEASE KEEP YOUR BILL OF SALE AS PROOF OF PURCHASE SHOULD WARRANTY REPAIRS BE REQUIRED.





YAMAHA

LIMITED WARRANTY ON HOME AUDIO PRODUCTS

Thank you for selecting a YAMAHA product. YAMAHA products are designed and manufactured to provide a high level of defect-free performance. Yamaha Corporation of America ("YAMAHA") is proud of the experience and craftsmanship that goes into each and every YAMAHA product. YAMAHA sells its products through a network of reputable, specially authorized dealers and is pleased to offer you, the Original Owner, the following Limited Warranty, which applies only to products that have been (1) directly purchased from YAMAHA's authorized dealers in the USA, including Puerto Rico (the "Warranted Area") and (2) used exclusively in the Warranted Area. YAMAHA suggests that you read the Limited Warranty thoroughly, and invites you to contact your authorized YAMAHA dealer or YAMAHA Customer Service if you have any questions.

THIS WARRANTY COVERS THE LISTED PRODUCTS AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR THE NUMBER OF YEARS IDENTIFIED BELOW.

<u>Warranty Term</u>	<u>Duration of Warranty from Date of Purchase by or for the Original Owner</u>
Type of Product <i>A/V and Stereo Receivers, Processor and Integrated Amplifiers, Separate Amplifiers and Preamplifiers, Tuners, CD Players and Changers, HDD Players and Recorders, Network Players, Powered Loudspeakers, Media Controllers and Speaker Systems purchased individually, as a pair, or as part of an Integrated or Packaged System.</i> 2 years
<i>Cassette Decks, Blu-ray Disc Players, DVD Players and Changers, Integrated Systems (Receiver or Amplifier combined or on same chassis with CD, DVD or Blu-ray Disc Player), Desktop Audio Systems (i.e. TSX and PDX Series), Multimedia Speakers, Headphones, Earphones and Accessories.</i> 1 year

Coverage: YAMAHA will, at its option, repair or replace the product covered by this warranty if it becomes defective, malfunctions or otherwise fails to conform with this warranty under normal use and service during the term of this warranty, without charge for labor or materials. Repairs may be performed using new or refurbished parts that meet or exceed YAMAHA specifications for new parts. If YAMAHA elects to replace the product, the replacement may be a reconditioned unit. You will be responsible for any installation or removal charges and for any initial shipping charges if the product(s) must be shipped for warranty service. However, YAMAHA will pay the return shipping charges to any destination within the USA if the repairs are covered by the warranty. This warranty does not cover (a) damage, deterioration or malfunction resulting from accident, negligence, misuse, abuse, improper installation or operation or failure to follow instructions according to the Owner's Manual for this product; any shipment of the product (claims must be presented to the carrier); repair or attempted repair by anyone other than YAMAHA or an authorized YAMAHA Service Center; (b) any unit which has been altered or on which the serial number has been defaced, modified or removed; (c) normal wear, battery or battery replacement and any periodic maintenance; (d) deterioration due to perspiration, corrosive atmosphere or other external causes such as extremes in temperature or humidity; (e) damages attributable to power line surge or related electrical abnormalities, lightning damage or acts of God; (f) RFI/EMI (Interference/noise) caused by improper grounding or the improper use of either certified or uncertified equipment, if applicable; or (g) interference arising from the use of wireless communication devices (e.g. 2.4 GHz cordless telephones), or other radio frequency emitting products such as microwave ovens, whether such interference impairs the operation of the product or vice-versa. Consult the Owner's Manual for guidance on set-up procedures for minimizing the risks of interference. Any evidence of alteration, erasing or forgery of proof-of-purchase documents will cause this warranty to be void. This warranty covers only the Original Owner and is not transferable.

In Order to Obtain Warranty Service: Warranty service will only be provided for defective products within the Warranted Area. Contact your local authorized YAMAHA dealer who will advise you of the procedures to be followed. If this is not successful, contact YAMAHA at the address, telephone number or website shown below. YAMAHA may request that you send the defective product to a local authorized YAMAHA Servicer or authorize return of the defective product to YAMAHA for repair. For products requiring in-home service, contact your local authorized Yamaha dealer to arrange for service. If you are uncertain as to whether a dealer has been authorized by YAMAHA, please contact YAMAHA's Service Department at the number shown below, or check Yamaha's website at <http://usa.yamaha.com>. Product(s) shipped for service should be packed securely and must be accompanied by a detailed explanation of the problem(s) requiring service, together with the original or a machine reproduction of the bill of sale or other dated, proof-of-purchase document describing the product, as evidence of warranty coverage. Should any product submitted for warranty service be found ineligible therefore, an estimate of repair cost will be furnished and the repair will be accomplished only if requested by you and upon receipt of payment or acceptable arrangement for payment.

Limitation of Implied Warranties and Exclusion of Damages: ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE APPLICABLE PERIOD OF TIME SET FORTH ABOVE. YAMAHA SHALL NOT BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE OR INTERRUPTION OF PERFORMANCES OR ANY CONSEQUENCES. YAMAHA'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT, AT YAMAHA'S OPTION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only express warranty applicable to the product specified herein; Yamaha neither assumes nor authorizes anyone to assume for it any other express warranty.

If you have any questions about service received or if you need assistance in locating an authorized YAMAHA Servicer, please contact:



YAMAHA

CUSTOMER SERVICE

Yamaha Corporation of America

6600 Orangethorpe Avenue, Buena Park, California 90620-1373

Telephone: 800-292-2982

<http://usa.yamaha.com>

Do not return any product to the above address without a written Return Authorization issued by YAMAHA.