

# ONKYO®

## Integrated Stereo Amplifier

# A-1VL

## Instruction Manual

Thank you for purchasing an Onkyo A-1VL Integrated Stereo Amplifier. Please read this manual thoroughly before making connections and plugging in the unit. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your A-1VL. Please retain this manual for future reference.

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## WARNING:

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

## CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



**WARNING**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**AVIS**  
RISQUE DE CHOC ELECTRIQUE  
NE PAS OUVRIIR




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



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

## Important Safety Instructions

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.  
  
PORTABLE CART WARNING  
S3125A
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.
15. Damage Requiring Service  
Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - A. When the power-supply cord or plug is damaged,
  - B. If liquid has been spilled, or objects have fallen into the apparatus,
  - C. If the apparatus has been exposed to rain or water,
  - D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,
  - E. If the apparatus has been dropped or damaged in any way, and
  - F. When the apparatus exhibits a distinct change in performance this indicates a need for service.
16. Object and Liquid Entry  
Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.  
The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.  
Don’t put candles or other burning objects on top of this unit.
17. Batteries  
Always consider the environmental issues and follow local regulations when disposing of batteries.
18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.  
Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

# Precautions

## 1. Recording Copyright

Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder.

## 2. AC Fuse

The AC fuse inside the A-1VL is not user serviceable. If you cannot turn on the A-1VL, contact your Onkyo dealer.

## 3. Care

Occasionally you should dust the A-1VL all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the A-1VL immediately afterwards with a clean cloth. Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

## 4. Power

### WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on the A-1VL's rear panel (AC230 - 240V, 50 Hz).

## 5. Never Touch This Unit with Wet Hands

Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo dealer.

## 6. Installing This Unit

- Install this unit in a well-ventilated location.
- Ensure that there's adequate ventilation all around this unit, especially if it's installed in an audio rack. If the ventilation is inadequate, the unit may overheat, leading to malfunction.
- Do not expose this unit to direct sunlight or heat sources, because its internal temperature may rise, shortening the life of the optical pickup.
- Avoid damp and dusty places, and places subject to vibrations from loudspeakers. Never put the unit on top of, or directly above a loudspeaker.
- Install this unit horizontally. Never use it on its side or on a sloping surface, because it may cause a malfunction.
- If you install this unit near a TV, radio, or VCR, the sound quality may be affected. If this occurs, move this unit away from the TV, radio, or VCR.

## 7. Moisture Condensation

### Moisture condensation may damage this unit.

Read the following carefully:

When you take a glass containing a cold drink outside on a summer's day, drops of water, called condensation, form on the outside of the glass. Similarly, moisture may condense on the lens of the optical pickup, one of the most important parts inside this unit.

- The unit is moved from a cold place to a warm place.
  - A heater is turned on, or cold air from an air conditioner is hitting the unit.
  - In the summer, when this unit is moved from an air conditioned room to a hot and humid place.
  - The unit is used in a humid place.
- Do not use this unit when there's the possibility of moisture condensation occurring. Doing so may damage cer-

tain parts inside this unit.

If condensation does occur, leave this unit turned on for two to three hours. By that time, the unit will have warmed up and any condensation will have evaporated. To reduce the risk of condensation, keep this unit connected to a wall outlet.

## For British models

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

## IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

## IMPORTANT

A 5 ampere fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amperes and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMPERE SOCKET.

If in any doubt, consult a qualified electrician.

## Declaration of Conformity

We, ONKYO EUROPE  
ELECTRONICS GmbH  
LIEGNITZERSTRASSE 6,  
82194 GROEBENZELL,  
GERMANY



declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3.

GROEBENZELL, GERMANY

I. MORI

ONKYO EUROPE ELECTRONICS GmbH

# Features

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- 2 ch pre-main amplifier that incorporates Onkyo proprietary VL digital amplifier
- The DIRECT function that allows you to connect the A-1VL to another amplifier and to use the A-1VL as a power amplifier
- The PREOUT terminals that can be used for your system expansion
- Independent toroidal transformer for L/R channels, improves additional sound quality by separating the L/R channel voltages to avoid the L/R channels from interfering with each other
- High quality speaker terminal components that minimize signal degradation

# Supplied Accessories

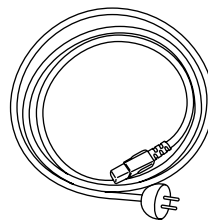
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Make sure you have the following accessories:

**Remote controller (RC-573A) [1] &  
two batteries (AA/R6) [2]**



**Power cord [1]**



In catalogs and on packaging, the letter added to the end of the product name indicates the color of the A-1VL. Specifications and operation are the same regardless of color.

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## Enjoying Audio Sources

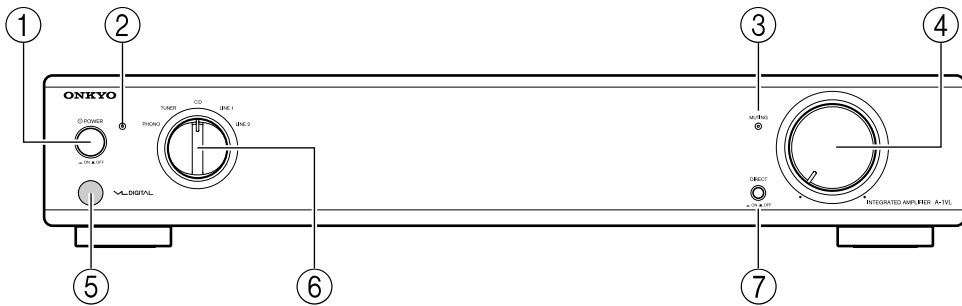
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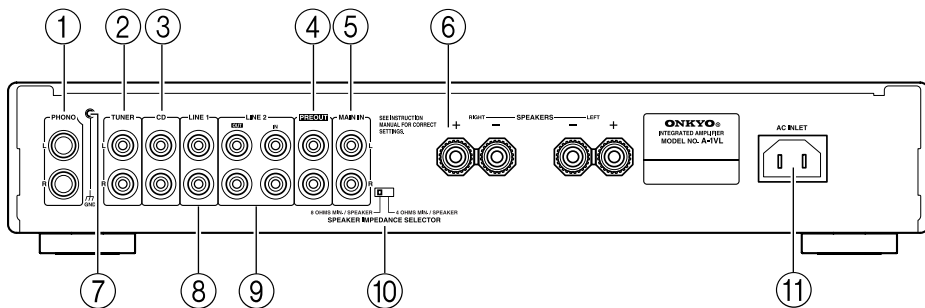
# Front & Rear Panels

## Front Panel



- ① **POWER button**  
This button is used to set the A-1VL to On or Off.
- ② **POWER indicator**  
This indicator lights up when the A-1VL is ON. While this indicator is illuminated, you can operate the A-1VL with the remote controller.
- ③ **MUTING indicator**  
This indicator lights up when the Muting function is set.
- ④ **VOLUME control**  
This control is used to set the volume of the A-1VL.
- ⑤ **Remote control sensor**  
This sensor receives control signals from the remote controller.
- ⑥ **Input selector control**  
This control is used to select following input sources: CD, LINE 1, LINE 2, TUNER and PHONO.
- ⑦ **DIRECT button**  
Turns on or off the DIRECT function. When you use the A-1VL as a power amplifier, turn on the DIRECT function.

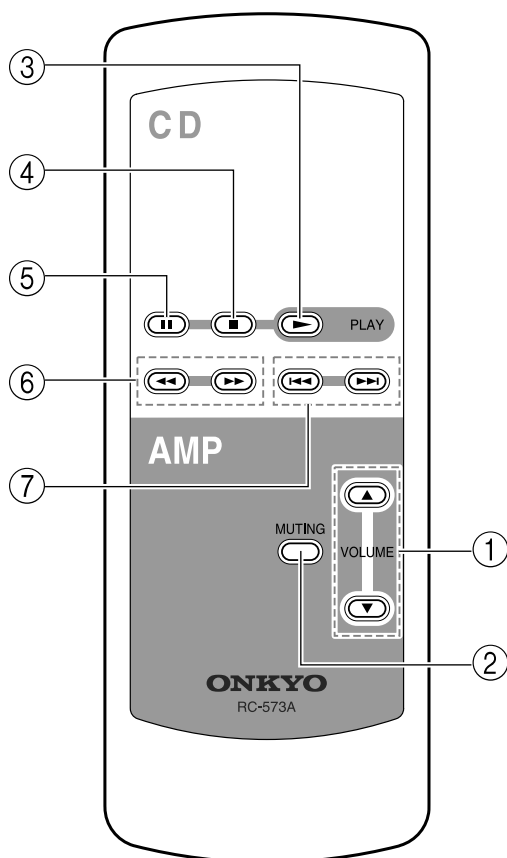
## Rear Panel



- ① **PHONO**  
These analog inputs can be used to connect a turntable with a moving-magnet cartridge.
- ② **TUNER**  
These inputs can be used to connect a tuner.
- ③ **CD**  
These inputs can be used to connect a CD player with analog outputs.
- ④ **PREOUT**  
If you use the A-1VL as a preamp, these analog pre-out can be connected to the inputs on a power amp.
- ⑤ **MAIN IN**  
If you use the A-1VL as a power amp, these analog inputs can be connected to the outputs on a separate preamp.
- ⑥ **SPEAKERS**  
These terminal posts are for connecting your speakers.
- ⑦ **Grounding screw**  
This screw is for connecting a turntable's ground wire.
- ⑧ **LINE 1**  
These inputs can be used to connect a TV or other component with analog outputs.
- ⑨ **LINE 2 IN/OUT**  
These analog inputs can be used to connect a cassette or MD recorder.
- ⑩ **SPEAKER IMPEDANCE SELECTOR**  
This selector can be used to set the speaker impedance values according to the speakers you use.
- ⑪ **AC INLET**  
The supplied power cord should be connected here.

# Remote Controller

## Remote Controller (RC-573A)



### AMP section

Use the following buttons to operate the A-1VL while it is turned on.

① **VOLUME [▲/▼] buttons**

These buttons are used to set the volume of the A-1VL.

② **MUTING button**

This button is used to mute the A-1VL. This function can be set only with the remote controller.

### CD section

Use the following buttons to operate the Onkyo's CD player with a remote controller signal sensor such as the C-1VL.

③ **▶ button**

This button is used to play CD playback.

④ **■ button**

This button is used to stop CD playback.

⑤ **⏸ button**

This button is used to pause CD playback.

⑥ **◀◀/▶▶ button**

The FR [◀◀] button is used start fast reverse. The FF [▶▶] button is used to start fast forward.

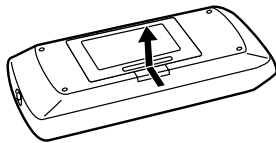
⑦ **◀◀/▶▶ button**

The Previous [◀◀] button is used to select the previous track. During playback it selects the beginning of the current track. The Next [▶▶] button is used to select the next track.

### Inserting the Batteries

Detach the battery cover.

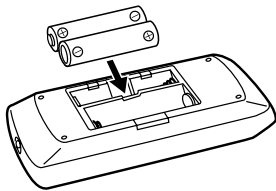
①



Insert the two R6 (size AA) batteries.

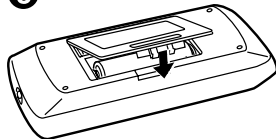
Be sure to match the + and – ends of the batteries to the diagram inside the battery compartment.

②



Attach the battery cover.

③



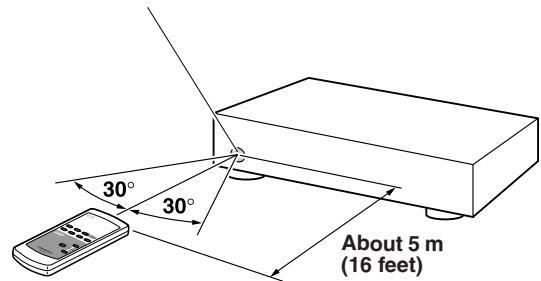
#### Notes:

- Do not mix new batteries with old batteries. Do not mix different kinds of batteries.
- To avoid corrosion, remove the batteries if the remote controller is not to be used for a long period of time.
- Remove dead batteries immediately to avoid damage from corrosion. If the remote controller does not operate smoothly, replace both batteries at the same time.
- The life of the batteries supplied is about six months but will vary depending on usage.

### Using the Remote Controller

Point the remote controller toward the remote control sensor.

Remote control sensor



#### Notes:

- Place the unit away from strong light such as direct sunlight or inverted fluorescent light, which can prevent proper operation of the remote controller.
- Using another remote controller of the same type in the same room or using the unit near equipment that uses infrared rays may cause operational interference.
- Do not put any object, such as a book, on the remote controller. The buttons of the remote controller may accidentally be pressed and drain the batteries.
- Make sure the audio rack doors do not have colored glass. Placing the unit behind such doors may prevent proper remote controller operation.
- If there is an obstacle between the remote controller and the remote control sensor, the remote controller will not operate.



# Connecting the A-1VL

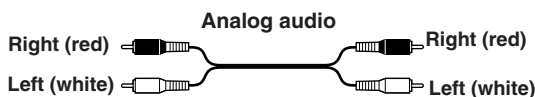
## Before Making Any Connections

- Read the manuals supplied with your components.
- Don't connect the power cord until you've completed all audio and video connections.

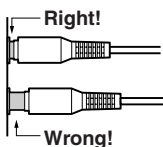
## RCA/Phono Connection Color Coding

RCA/Phono connections are usually color coded: red and white. Use red plugs to connect right-channel audio inputs and outputs (typically labeled "R").

Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video inputs and outputs.



- Push plugs in all the way to make good connections (loose connections can cause noise or malfunctions).
- To prevent interference, keep audio and video cables away from power cords and speaker cables.

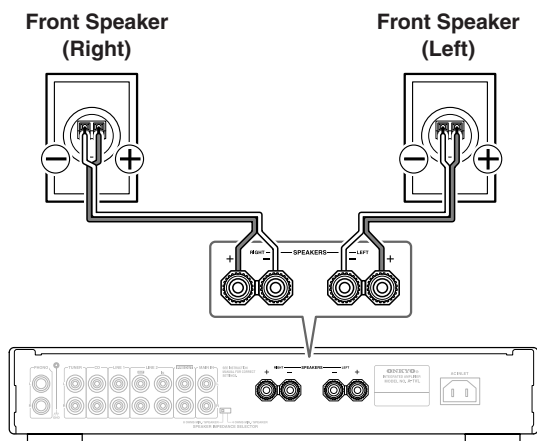


## Connecting Your Speakers

### Connecting Your Speakers

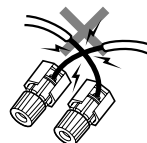
Connect the right channel speaker to the RIGHT speaker connector on the A-1VL, and the left channel speaker to the LEFT speaker connector.

Connect the "+" connector on each speaker to the "+" connectors on the A-1VL, and connect the "-" connector on each speaker to the "-" connectors on the A-1VL. Be sure to connect the positive and negative cables for the speakers properly. If they are mixed up, the left and right signals will be reversed and the audio will sound unnatural.

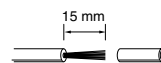


### Caution:

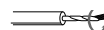
- Do not connect speakers having impedance values of 4 ohms or lower.
- Do not connect more than one speaker cord to individual speaker terminals. Connecting more than one speaker cord may cause failure.
- Unnecessarily long, or very thin speaker cables may affect the sound quality and should be avoided.
- Be careful not to short the positive and negative wires. Doing so may damage the A-1VL.



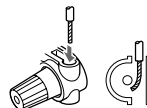
- ① Strip away approx. 5/8 inch (15 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly, as shown.



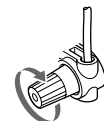
- ② Twist the wire ends tightly together.
- ③ Unscrew the speaker terminal.



- ④ Fully insert the bare wires.



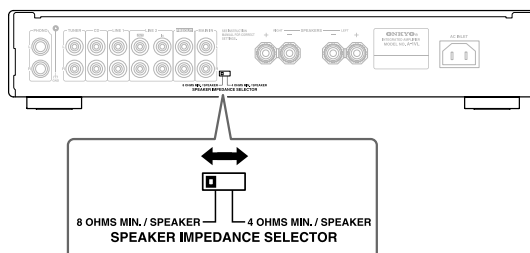
- ⑤ Screw the terminal tight.



## Changing the Speaker Impedance Value Setting

The A-1VL allows you to set the speaker impedance values according to the speakers you use, adjusting the optimum frequency characteristics against speaker loads.

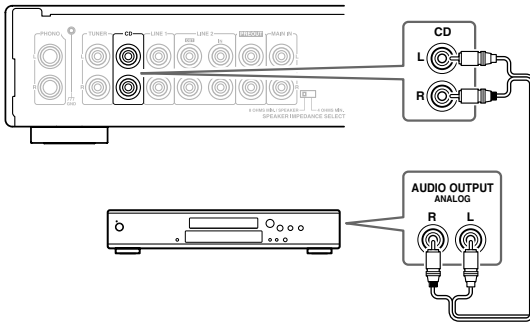
We recommend you set the "SPEAKER IMPEDANCE SELECTOR" setting to "8 OHMS MIN./SPEAKER" for speakers having impedance of 8 ohms or higher. Likewise, you may want to set the setting to "4 OHMS MIN./SPEAKER" for speakers having impedance of 4 ohms or higher.



## Audio Components

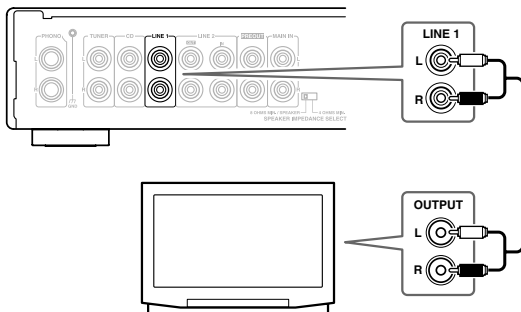
### Connecting a CD player

Use an analog audio cable (RCA/phono) to connect the A-1VL's CD L/R inputs to the analog audio outputs on your CD player, as shown.



### Connecting an Audio Output Component Such as a TV

Use an analog audio cable (RCA/phono) to connect the A-1VL's LINE 1 L/R inputs to the analog audio outputs on your component such as a TV, as shown.

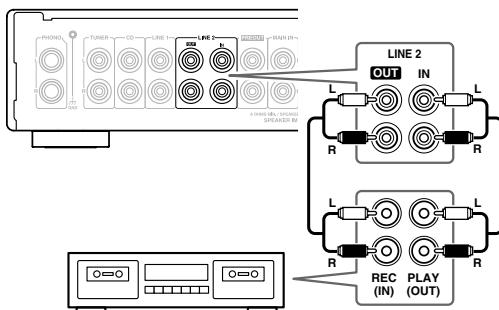


**Note:**

If your TV has no audio outputs, connect the A-1VL to your VCR and use its tuner.

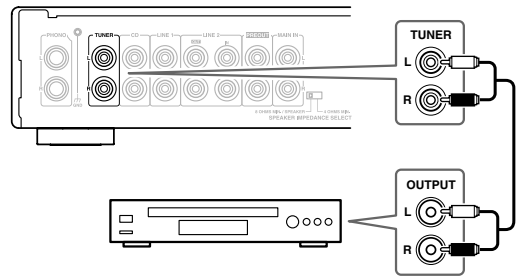
### Connecting a Cassette or MD Recorder

Use an analog audio cable (RCA/phono) to connect the A-1VL's LINE 2 IN L/R inputs to the MD recorder or cassette recorder's outputs, and use another analog audio cable (RCA/phono) to connect the A-1VL's LINE 2 OUT L/R outputs to the cassette or MD recorder's inputs, as shown.



### Connecting a Tuner

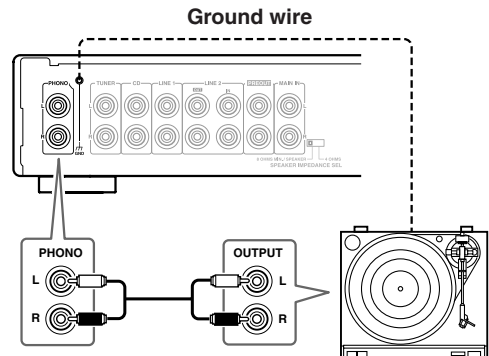
Use an analog audio cable (RCA/phono) to connect the A-1VL's TUNER L/R inputs to the analog audio outputs on your tuner, as shown.



### Connecting a Turntable

The A-1VL's phono inputs are for use with moving magnet (MM) type cartridges.

Use an analog audio cable (RCA/phono) to connect the A-1VL's PHONO L/R inputs to the audio outputs on your turntable, as shown. Remove the shorting pin plugs before connecting your turntable.



**Notes:**

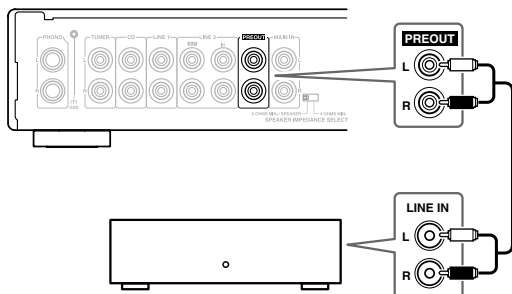
- If your turntable has a ground wire, connect it to the GND screw on the A-1VL. With some turntables, connecting the ground wire may cause hum, in which case it should be disconnected.
- If your turntable has a moving coil (MC) type cartridge, you'll need a commercially available MC phono preamp. Connect the phono preamp to your turntable, and then connect the phono preamp to the A-1VL's PHONO L/R inputs.

## Connecting the A-1VL—Continued

### Connecting a Power Amplifier

You can use the A-1VL as a preamplifier by connecting the A-1VL to a power amplifier.

When you use the A-1VL as a preamplifier, connect the main in terminals on the power amplifier to the PRE-OUT terminals on the A-1VL.



**Note:**

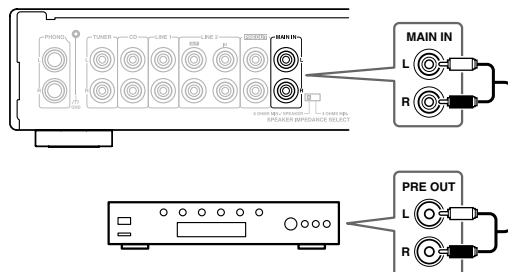
The signal from the PREOUT terminal will be output whether the DIRECT function is enabled or not.

### Connecting a Preamp

You can use the A-1VL as a power amplifier by connecting the A-1VL to a preamplifier.

When you use the A-1VL as a power amplifier, connect the pre out terminals on the preamplifier to the MAIN IN terminals on the A-1VL.

You can enjoy surround sound playback by connecting front left and right speakers to the A-1VL and connecting center and surround speakers to the preamplifier. If you have a powered subwoofer, connect it to the preamplifier's PRE OUT.



**Note:**

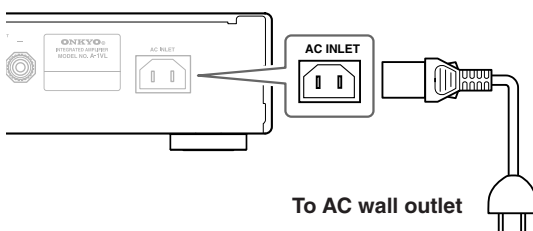
Before you use the A-1VL as a power amplifier, be sure to turn on the DIRECT function by pressing the DIRECT button. (page 13)

### Connecting the Power Cord

**Notes:**

- Before connecting the power cord, connect all of your speakers and audio components.
- Turning on the A-1VL may cause a momentary power surge that might interfere with other electrical equipment on the same circuit. If this is a problem, plug the A-1VL into a different circuit.
- Do not use a power cord other than the one supplied with the A-1VL. The supplied power cord is designed exclusively for use with the A-1VL and should not be used with any other equipment.
- Never disconnect the power cord from the A-1VL while the other end is still plugged into a wall outlet. Doing so may cause an electric shock. Always disconnect the power cord from the wall outlet first, and then the A-1VL.

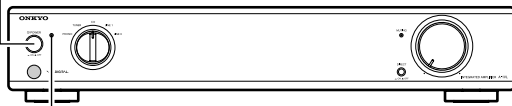
1. Connect the supplied power cord to the A-1VL's AC INLET.
2. Plug the power cord into an AC wall outlet.



# Enjoying Audio Sources

## Turning on the A-1VL

### POWER



POWER indicator



Press the [POWER] button to turn on the A-1VL.

The POWER indicator lights up.

**Note:**

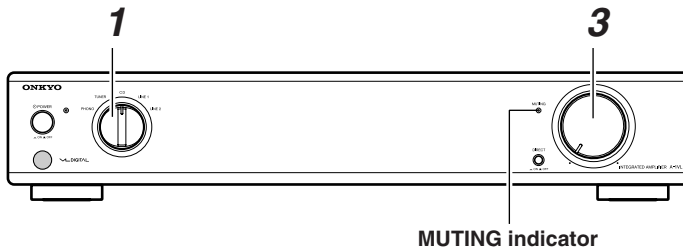
It takes about five seconds for the electric circuit to be stable. During this time the A-1VL does not output an audio signal.

### Tips on sound quality

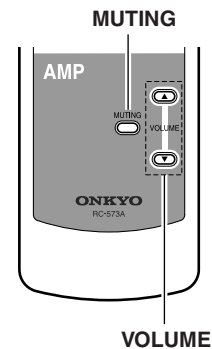
You will get better sound quality 10 to 30 minutes after you turn on the A-1VL. To avoid degrading the sound quality, do not tie audio RCA/phono cables and speaker cables together in a bundle.

When placing the A-1VL, avoid a place where it is susceptible to vibrations.

## Playing a Connected Component



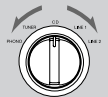
MUTING indicator



VOLUME

**1**

**Select the component you want to play.**



Turn the Input selector control to select the component you want to play.

**CD:** Select to play the audio signal from the component connected to the CD terminal.

**TUNER:** Select to play the audio signal from the component connected to the TUNER terminal.

**LINE 1:** Select to play the audio signal from the component connected to the LINE 1 terminal.

**LINE 2:** Select to play the audio signal from the component connected to the LINE 2 terminal.

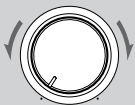
**PHONO:** Select to play the audio signal from the component connected to the PHONO terminal.

**2**

**Start playback on the selected audio component.**

**3 A-1VL**

**To adjust the volume, use the VOLUME control, or the remote controller's [VOLUME] button.**



Remote controller



VOLUME



### Muting the A-1VL (remote controller only)

With this function you can temporarily mute the output of the A-1VL.

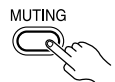
**Press the remote controller's [MUTING] button.**

The output is muted and the MUTING indicator flashes on the A-1VL.

**To unmute the A-1VL, press the remote controller's [MUTING] button again.**

**Note:**

The Mute function is cancelled when the A-1VL is set to Off.



## Using the DIRECT Function



You can use the A-1VL as power amplifier by connecting a preamplifier.

**1**



**Press the DIRECT button.**

**ON:** The DIRECT function is enabled. When connecting a preamplifier to the A-1VL, the A-1VL will work as a power amplifier. The audio signal from the component connected to the preamplifier will be output.

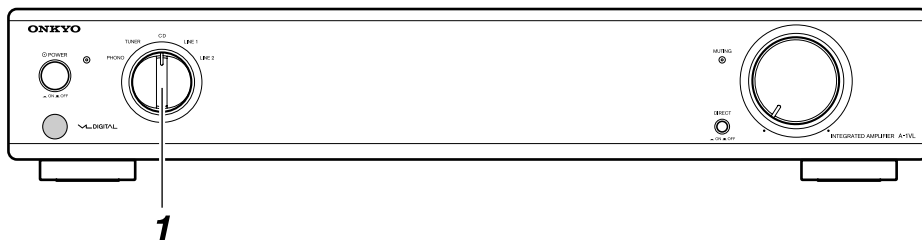
**OFF:** The audio signal from the component connected to the A-1VL will be output.

**Notes:**

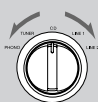
- While the DIRECT function is turned on, the A-1VL works as a power amplifier and the VOLUME control of the A-1VL will not change the volume level. Instead, when you turn off the DIRECT function, the A-1VL outputs the audio signal at the level that its volume control is positioned. Take notice the A-1VL's VOLUME control position before turning off the DIRECT function.
- Even when the DIRECT function is enabled, the audio signal from the component selected using the input selector control will be output through the PREOUT terminal.

## Recording

**Unless you have the full consent of the copyright holder, copyright laws prohibit using your recordings for anything other than personal enjoyment!**



**1**



**Select an input source to record.**

Turn the Input selector control to select the component that outputs the source you want to record. The signal from the component connected to the LINE 2 terminal cannot be recorded.

**2**

**Prepare the recorder.**

- Put the recorder into recording standby state.
- Adjusting the recording level should be performed on the recorder.
- See your recorder's manual for more information.

**3**

**Start playback on the source component.**

Start playback on the component selected in step 1.

**Note:**

If you select another input source during recording, the newly selected input source will be recorded.

# Troubleshooting

If you have any trouble using your A-1VL, look for a solution in the troubleshooting section. If you can't resolve the issue yourself, contact your Onkyo dealer.

## Power

### Can't turn on the A-1VL.

- Make sure that the power cord is properly plugged into the wall outlet. (page 11)
- Unplug the power cord from the wall outlet, wait five seconds or more, then plug the cable in again.

### The power is turned off and the power indicator blinks in white.

- The amp protection circuit has been activated. Remove the power cord from the wall outlet immediately and contact your Onkyo dealer.

## Audio

### There's no sound, or it's very soft.

- When you use the A-1VL as a power amplifier (when the DIRECT function is turned on), the sound from the component connected to the preamplifier will be output. If you want to output the sound from a component connected to the A-1VL, or when you use the A-1VL as a preamplifier, use the DIRECT button to turn off the DIRECT function.
- Make sure that all audio connecting plugs are pushed in all the way. (page 9)
- Make sure that the inputs and outputs of all components are connected properly.
- Make sure that the polarity of the speaker cables is correct and that the bare wires are in contact with the metal part of each speaker terminal. (page 9)
- Make sure that the input source is properly selected. (page 12)
- If the MUTE indicator blinks, press the remote controller's [MUTING] button to unmute the A-1VL. (page 12)
- To use a turntable with an MC-type cartridge requires a commercially available MC phono preamp. (page 10)
- Make sure that none of the connecting cables are bent, twisted, or damaged.

### Noise can be heard.

- Using cable ties to bundle audio cables with power cords, speaker cables, and so on may degrade the audio performance, so do not bundle cables and cords together.
- An audio cable may be picking up interference. Try repositioning your cables.

## Remote Controller

### The remote controller doesn't work.

- Make sure that the batteries are installed with the correct polarity. (page 8)
- Install new batteries. Don't mix different types of batteries or old and new batteries. (page 8)
- Make sure that the remote controller is not too far away from the A-1VL, and that there's no obstruction between the remote controller and the A-1VL's remote control sensor. (page 8)
- Make sure that the A-1VL is not subjected to direct sunshine or inverter-type florescent lights. Relocate if necessary. (page 8)
- If the A-1VL is installed in a rack or cabinet with colored glass doors, the remote controller may not work reliably when the doors are closed. (page 8)

## Recording

### Can't record.

- On your recorder, make sure the correct input is selected. The A-1VL is not equipped with digital input/output terminals and can perform only analog recording. (page 13)
- The signal from the component connected to the MAIN IN terminal cannot be recorded.

**The A-1VL contains a microcomputer for signal processing and control functions. In very rare situations, severe interference, noise from an external source, or static electricity may cause it to lock up. In the unlikely event that this happens, unplug the power cord from the wall outlet, wait at least five seconds, and then plug it back in again.**

**Onkyo is not responsible for damages (such as CD rental fees) due to unsuccessful recordings caused by the unit's malfunction. Before you record important data, make sure that the material will be recorded correctly.**

# Specifications

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<b>Power Output</b>	Front L/R 100 W + 100 W (8 $\Omega$ , 1 kHz, DIN)
<b>Dynamic Power</b>	310 W + 310 W (3 $\Omega$ , Front) 240 W + 240 W (4 $\Omega$ , Front) 130 W + 130 W (8 $\Omega$ , Front)
<b>THD (Total Harmonic Distortion)</b>	2 % (Power Rated) / 0.08 % (1 kHz 1 W)
<b>Damping Factor</b>	25 (Front, 1 kHz, 8 $\Omega$ )
<b>Input Sensitivity and Impedance</b>	200 mV / 50 k $\Omega$ (LINE) 2,5 mV / 50 k $\Omega$ (PHONO MM)
<b>Output Level and Impedance</b>	200 mV / 2,2 k $\Omega$ (REC OUT)
<b>Phono Overload</b>	130 mV (MM 1 kHz 0,5 %)
<b>Frequency Response</b>	10 Hz ~ 60 kHz / +1 dB-3 dB (CD)
<b>SN Ratio</b>	100 dB (CD, IHF-A) 70 dB (PHONO, IHF-A)
<b>Speaker Impedance</b>	4 $\Omega$ ~ 16 $\Omega$
<b>Power Supply</b>	AC 230-240 V, 50 Hz
<b>Power Consumption</b>	105 W
<b>Dimensions (W <math>\times</math> H <math>\times</math> D)</b>	435 W $\times$ 81,5 H $\times$ 390 D mm 17 1/8 W $\times$ 3 3/16 H $\times$ 15 3/8 D inches
<b>Weight</b>	11,3 kg 24,9 lbs
<b>Analog Inputs</b>	PHONO, TUNER, CD, LINE1, LINE2, MAIN IN
<b>Analog Outputs</b>	LINE2
<b>Pre Outputs</b>	1 (L/R)
<b>Speaker Outputs</b>	1 (L/R)

Specifications and features are subject to change without notice.

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