

Roland®



## Owner's Manual

STEREO PORTABLE AMPLIFIER  
**BA-330**

Owner's Manual

Bedienungsanleitung

Mode d'emploi

Manuale dell'utente

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# Owner's Manual

## STEREO PORTABLE AMPLIFIER **BA-330**

### High quality portable stereo-output amp

The BA-330 is a portable amp that provides stereo playback from a single unit. It's designed for high-quality sound, featuring up to 30W (15W + 15W) of output, four 6.5 inch (16 cm) speakers and two tweeters.

### Take it anywhere

Dual power supply (batteries or AC adaptor) for any location → p. 1

You can run the BA-330 on batteries in an outdoor situation where there's no AC outlet, or use the included AC adaptor indoors when AC power is available. An indicator tells you the remaining amount of battery power (p. 10).

**Power-saving mode (Eco-mode)** → p. 10

You can switch to a power-saving mode that reduces the maximum 30W output to 15W. This is convenient for extended use outdoors.



### A variety of uses

The wide range of inputs also allows stereo input.

**Mini-concert with two guitarists** → p. 1

You can connect two microphones and two electric acoustic guitars for a mini-concert with two guitarists.



**Keyboardist-singer** → p. 13

You can connect a keyboard in stereo, along with a microphone for vocals.



**Lectures or presentations** → p. 1

The BA-330 is a good amplification choice for a lecture or presentation.



**Karaoke or background music for an event or dance** → p. 13

You can connect your portable audio player or CD player for stereo playback, and independently adjust the volume of the background music.



### Convenient functions

**Feedback prevention** → p. 1

The microphone inputs provide an anti-feedback function, which suppresses acoustic feedback.



**Built-in effects** → p. 9

Effects such as reverb and delay can be switched on/off independently for each input.

**Adjustable monitoring angle (Arm Stand)** → p. 15

When the BA-330 is placed in a low position, such as on the floor, you can use the arm stand to change its angle for greater clarity from the speaker.

It can also be mounted on a separately available speaker stand.

**Connect a second unit for more output (Stereo Link)** → p. 1

You can increase the output by connecting two BA-330 units.

This type of setup also allows you to use up to four mic inputs and eight stereo inputs (including AUX).

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# USING THE UNIT SAFELY

Thank you, and congratulations on your choice of the Roland BA-330 battery powered stereo portable Amplifier.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (p. □; p. 5). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

## INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

### About WARNING and CAUTION Notices

 <b>WARNING</b>	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 <b>CAUTION</b>	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.  * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

### About the Symbols

	The  symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The  symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The  symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

### ALWAYS OBSERVE THE FOLLOWING

#### WARNING

- Connect mains plug of this model to a mains socket outlet with a protective earthing connection.
- Do not open (or modify in any way) the unit or its AC adaptor.
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.
- Never install the unit in any of the following locations.
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
  - Damp (e.g., baths, washrooms, on wet floors); or are
  - Exposed to steam or smoke; or are
  - Subject to salt exposure; or are
  - Humid; or are
  - Exposed to rain; or are
  - Dusty or sandy; or are
  - Subject to high levels of vibration and shakiness.
- This unit should be used only with a rack or stand that is recommended by Roland.



#### WARNING

- When using the unit with a rack or stand recommended by Roland, the rack or stand must be carefully placed so it is level and sure to remain stable. If not using a rack or stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.
- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.
- Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.
- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!
- This unit, either alone or in combination with an amplifier and speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.



## WARNING

- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.



- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:

- The AC adaptor, the power-supply cord, or the plug has been damaged; or
- If smoke or unusual odor occurs
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.



- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.



- Protect the unit from strong impact.  
(Do not drop it!)



- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/ amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.



- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.



- Batteries must never be recharged, heated, taken apart, or thrown into fire or water.



- Never expose alkaline batteries or nickel-metal hydride batteries to excessive heat such as sunshine, fire or the like.



## CAUTION

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.



- This (ST-A95) for use only with Roland stand (or cart) ST-A95. Use with other stands (or carts) is capable of resulting in instability causing possible injury.



- Please be sure to read and adhere to the cautionary notices contained in the instructions that came with this product. Please note that, depending on the manner in which BA-300 performances are carried out, you may encounter situations where the BA-300 falls off the stand or the stand topples over, even though you have followed all of the instructions and advice contained within the product's manual. For this reason, you should always perform a safety check each time you use the stand.



- Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit.



- At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.



- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.



- Never climb on top of, nor place heavy objects on the unit.



- Never handle the AC adaptor or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.



- Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.



- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet (p. 7).



- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.



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**⚠ CAUTION**

- If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions (p. 6).
  - Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.
  - Avoid using new batteries together with used ones. In addition, avoid mixing different types of batteries.
  - Remove the batteries whenever the unit is to remain unused for an extended period of time.
  - If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.
  - Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.



- Used batteries must be disposed of in compliance with whatever regulations for their safe disposal that may be observed in the region in which you live.



- Should you remove screws, keep them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.



- Do not remove the speaker grille and speaker by any means. Speaker not user replaceable. Shock hazardous voltages and currents are present inside the enclosure.



# Important Notes

## Power Supply: Use of Batteries

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- Should you prefer to use batteries, please use the alkaline batteries or nickel-metal hydride batteries.
- When installing or replacing batteries, always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and/or damage to speakers or other devices.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

## Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.
- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.
- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface. You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.

## Maintenance

- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Rubbing too hard in the same area can damage the finish.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

## Additional Precautions

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels (especially when it is late at night).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

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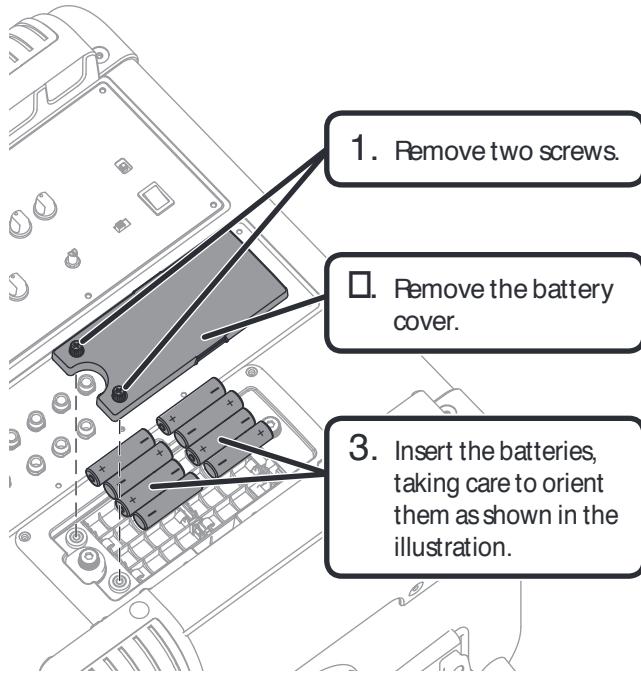
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# Steps to Take Before Powering Up

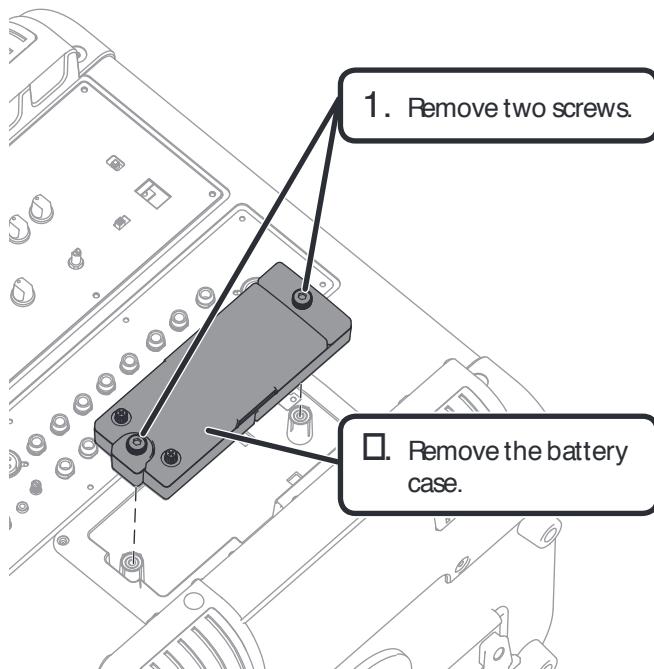
## When using batteries

### Installing batteries



### Removing the battery case

Although you can replace the batteries while the battery case is still attached, it's easier to replace the batteries if you remove the battery case.



- \* We recommend that you keep batteries installed in the unit even though you'll be powering it with the AC adaptor. That way, you'll be able to continue a performance even if the cord of the AC adaptor gets accidentally disconnected from the unit.
- \* To prevent malfunction or speaker damage when installing or replacing batteries, you must switch off this unit's power before connecting it to other equipment.
- \* Do not allow any foreign metal objects to touch the terminals of the battery case. Doing so may cause the batteries to short and the battery case may overheat or catch fire.

### Regarding the batteries

#### Batteries that can be used

Use 8 AA alkaline batteries or AA nickel-metal hydride batteries.

- \* The BA-330 is not able to recharge nickel-metal hydride batteries. Batteries must be charged using a separately sold, commercially available charger.

#### Battery life (varies according to conditions of use)

m Alkaline

MAX about 8 hours

EOO about 12 hours

m Nickel-metal hydride

MAX about 10 hours

EOO about 15 hours

- \* Be aware that if nickel-metal hydride batteries are used, the battery life-span will decrease as charging cycles are repeated.
- \* When operating on battery power only, the unit's indicator (p. 10) will become blink when battery power gets too low. Replace the battery as soon as possible.

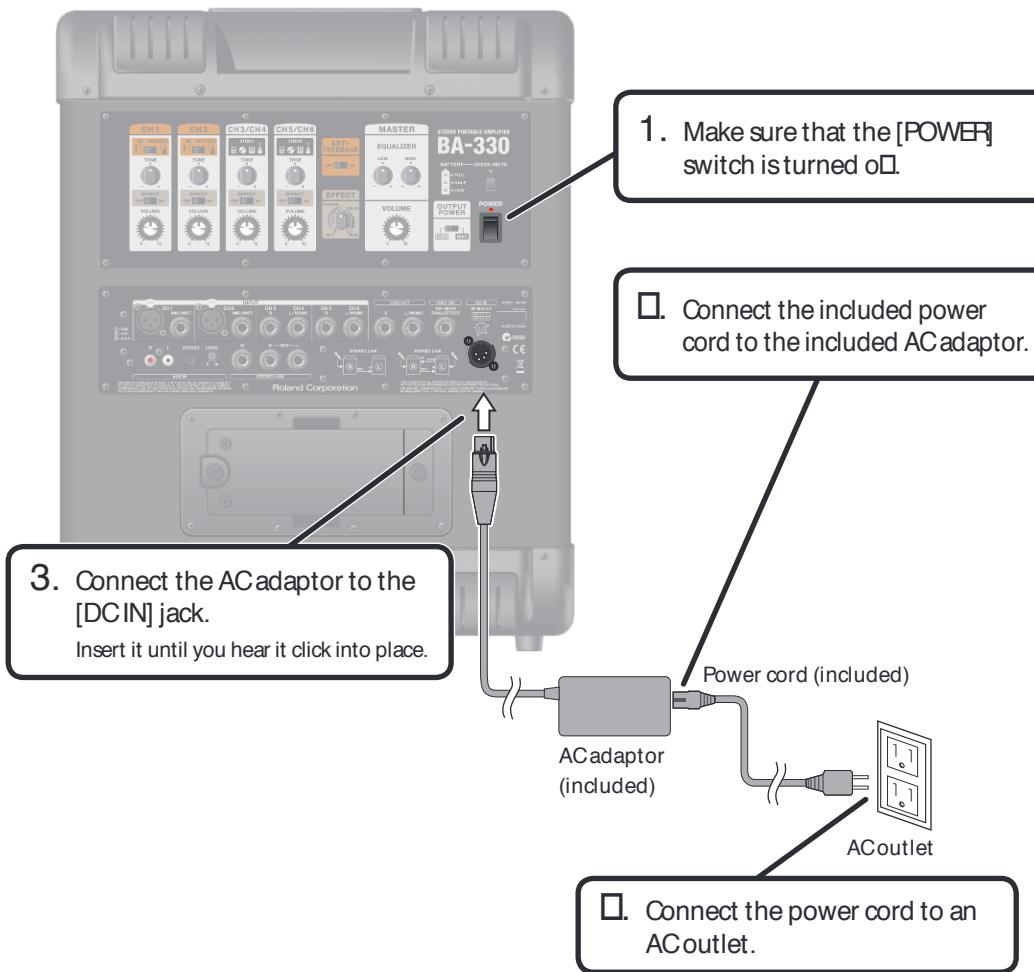
#### Cautions Regarding Batteries

- \* Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.
- \* Avoid using new batteries together with used ones. In addition, avoid mixing different types of batteries.
- \* Carefully read and observe all cautions and instructions that accompany the batteries you use.
- \* If using nickel-metal hydride batteries, you must use the combination of batteries and charger specified by the manufacturer.
- \* Remove the batteries whenever the unit is to remain unused for an extended period of time.
- \* If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.
- \* Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.

## When using the AC adaptor

### Connecting the AC adaptor

\* You must use the included ACadaptor. Using any other ACadaptor may cause malfunction or fire.



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# Simple Operation Guide

## Powering up and producing sound

- Set all volume controls to "0".



- Connect your microphones, instruments, portable audio player, or other equipment.

For details on connections, refer to "Example connections" (p. 9).

- Make sure that the volume knobs of all connected devices are set to "0".
- Switch on power to the connected equipment.

- Set the volume of each channel to the middle position.



Also adjust the volume of the connected equipment.

- Switch on the BA-330's power.



- Use the MASTER[VOLUME] to adjust the volume.



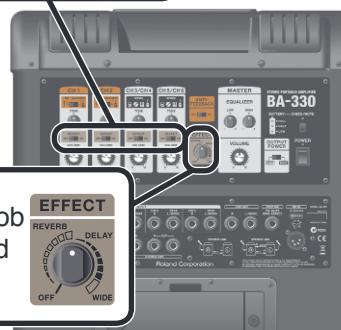
- Turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.
- To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.
- This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.
- Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.

## Applying an effect

- Turn on the [EFFECT] switch for the channels to which you want to apply an effect.



- Turn the [EFFECT] knob to adjust the type and amount of effect.

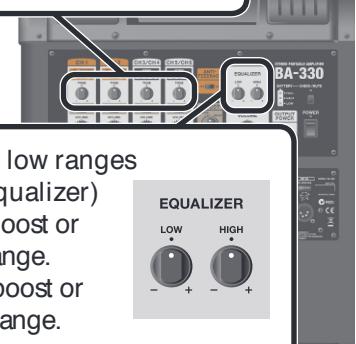


## Adjusting the tone quality

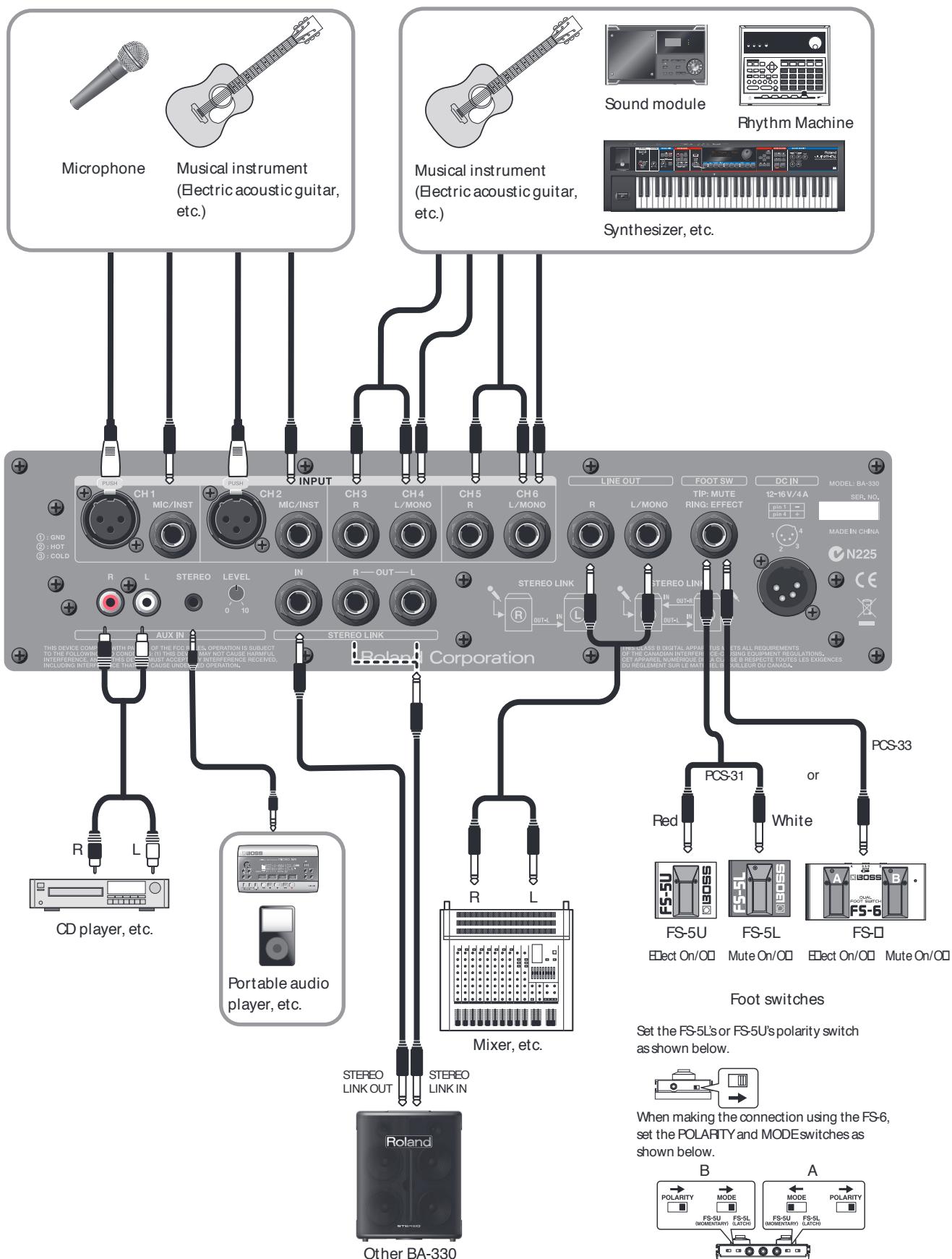
Adjusting the tone of each channel  
Turn the [TONE] knob of the channel that you want to adjust.



Adjusting the high and low ranges of the overall sound (Equalizer)  
Use the [LOW] knob to boost or cut the low-frequency range.  
Use the [HIGH] knob to boost or cut the high-frequency range.



# Example Connections



\* When connection cables with resistors are used, the volume level of equipment connected to the inputs may be low. If this happens, use connection cables that do not contain resistors.

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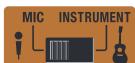
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# Controls and connectors

## Control panel

CH1, CH2 only (monaural)



[MIC/INSTRUMENT] switch

Set this to the appropriate position according to whether a microphone or an instrument (a line-output device) is connected to CH1 and CH2.

Microphone: Set to "MIC"

Instrument: Set to "INSTRUMENT"

CH1, CH2 (monaural)  
CH3/CH4, CH5/CH6 (stereo)



[TONE] knob

This adjusts the tone of the instrument connected to each channel. Turning the knob toward the right makes the tone brighter.



[EFFECT] switch

Turning this "ON" allows the reverb, delay, or wide effect to be applied to the channel.



CH [VOLUME] knob

This adjusts the volume of the device connected to each channel.

Turning the knob toward the right increases the volume.

\* The level knobs of unused channels should be set to "0."

Internal speakers overall



[EFFECT] knob

This knob selects the effect type and adjusts its depth for channels whose [EFFECT] switch is "ON".

Effect type

REVERB

This produces the pleasant reverberation that accompanies a performance in a concert hall.

DELAY

This produces an echo-like effect by delaying the sound.

WIDE

This extends the sound field to the outer edge of the speakers, producing the sensation of being surrounded by sound.

CH3/CH4, CH5/CH6 (stereo)  
CH3/CH4 and CH5/CH6 are stereo.

Connect the following equipment

- Keyboards
- Line-level devices
- Guitars
- CD players
- Portable audio players, etc.

CH1, CH2 only



[ANTI-FEEDBACK] switch

Acoustic feedback will be suppressed if this is "ON." For more about the anti-feedback function, refer to "Eliminating feedback" (p. 14).

Power supply related

[BATTERY CHECK/MUTE] switch

CHECK/MUTE



When switched on, the indicator blinks, and sound will no longer be produced from the BA-330's speakers or from LINEOUT.

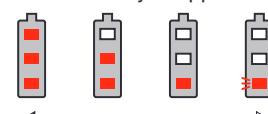
BATTERY indicator

BATTERY



When you press the [CHECK/MUTE] switch, this indicator shows the amount of power remaining in the batteries.

\* The remaining battery power indication is only an approximation.



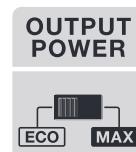
Full charge ■ Light □

■ Blink

Low charge □

Please insert new batteries.

[OUTPUT POWER] switch



If this is set to "ECO," the volume from the BA-330's speakers will be reduced, allowing extended use when running on batteries. With the "ECO" setting, the maximum output will be 15W.

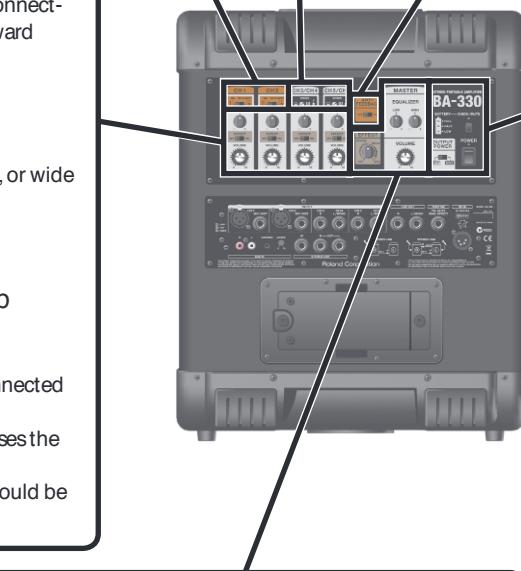
POWER



[POWER] switch

This turns the BA-330's power on/off.

When this is on, the POWER indicator will light.



## Jack panel

### Input (INPUT) jacks CH1, CH2: monaural



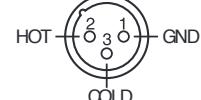
Connect the following equipment

- Microphone
- Musical instrument (Guitar, etc.)

**MEMO**

If something is connected to both the XLR connector and phone connector at the same time, the phone jack will be given priority.

Wiring diagrams for these jacks are shown below. Make connections after first checking the wiring diagrams of other equipment you intend to connect.



### Input (AUX IN) jack



Connect the following equipment

- CD player
- Portable audio player, etc.
- Computer, etc.

**MEMO**

Use the [LEVEL] knob to adjust the volume.

**MEMO**

The RCA phono jacks and mini-jack can be used simultaneously.

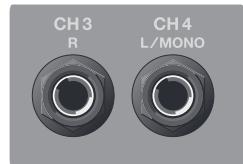
### Stereo link (STEREO LINK) jacks



These jacks are used when you want to connect two BA-330 units to create a stereo system with greater output power. For details, refer to "Connecting an additional unit to increase the output (Stereo Link)" (p. 14).

### Input (INPUT) jack CH3/CH4: stereo

### CH5/CH6: stereo



Connect the following equipment

- Keyboards
- Line-level devices
- Guitar
- CD player
- Portable audio player, etc.

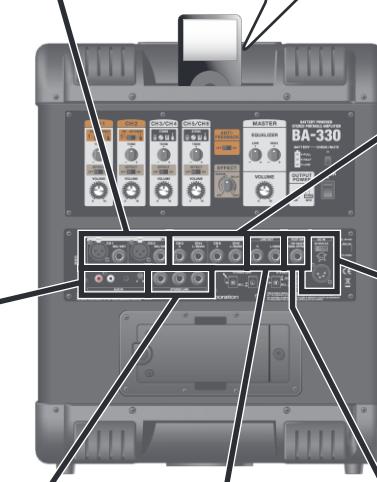
**MEMO**

If you're using a monaural source, connect it to L/MONO (CH4 or CH6).

\* This will accommodate a player of up to the following size.

Width: 144 mm

Depth: 22 mm



### AC adaptor (DC IN) jack



Connect the included AC adaptor here.

\* You can also connect the commercially available cable for an external power device.

### Output (LINEOUT) jacks



Connect these jacks to your mixer or recorder.

If you're outputting in monaural, connect the L/MONO jack.

**MEMO**

The EQUALIZER knobs and the MASTER [VOLUME] knob do not affect the LINEOUT jacks.

### FOOT SW jack



You can use a foot switch to turn MUTE (FS-5L) and EFFECT (FS-5U) on/off.

For details, refer to p. 9.

**MEMO**

If only one foot switch is connected using a monaural cable, only the MUTE function can be switched.

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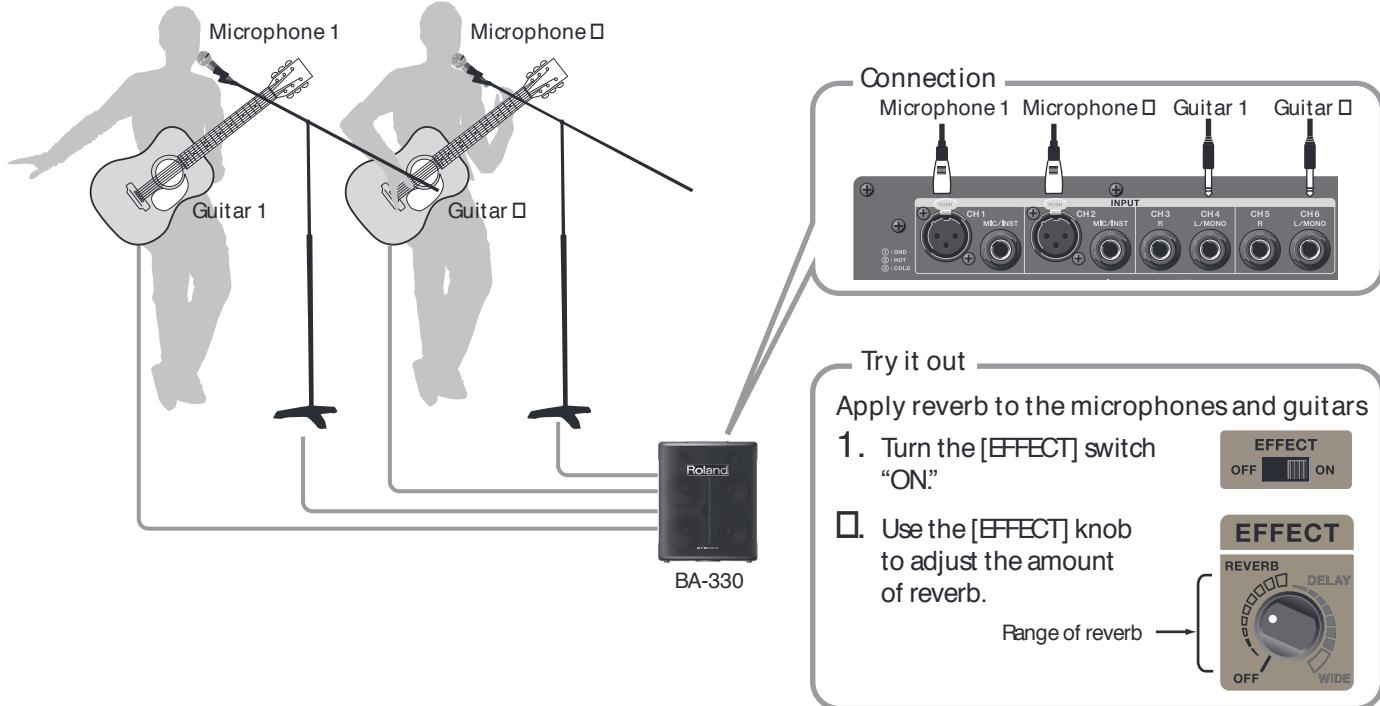
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# Various Applications

## Mini-concert with two guitarists

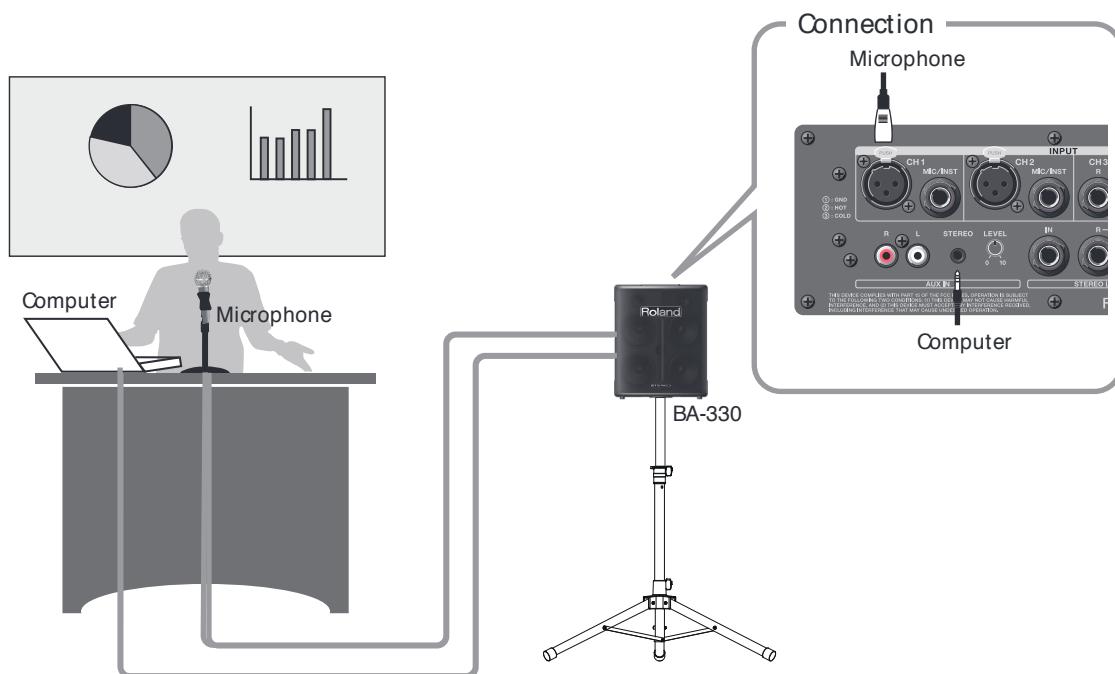
Using just a single BA-330, two singer-instrumentalists can connect two microphones and two guitars, and perform a mini-concert.

You can also apply reverb to the microphones and guitars.



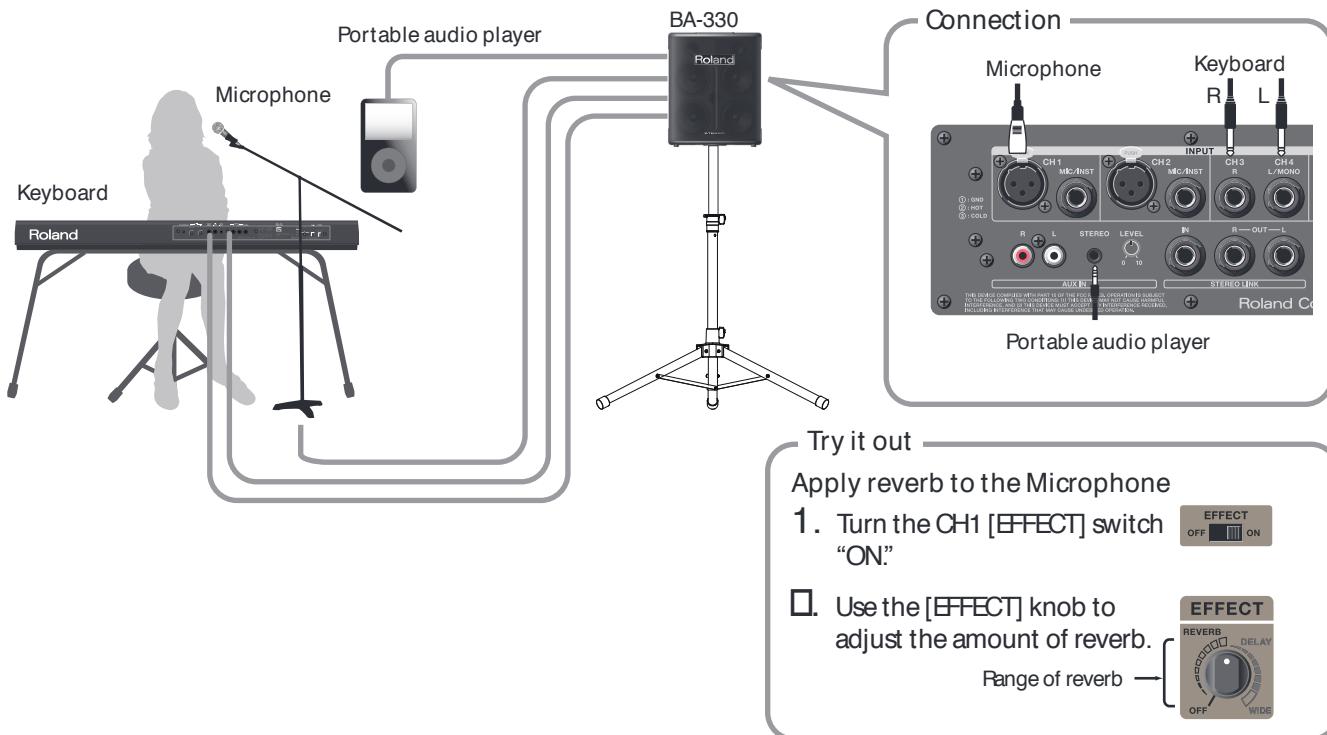
## Lecture or presentation

You can connect your computer as well as your microphone so that the sound from your computer will also be heard by the audience, making your presentation more effective.



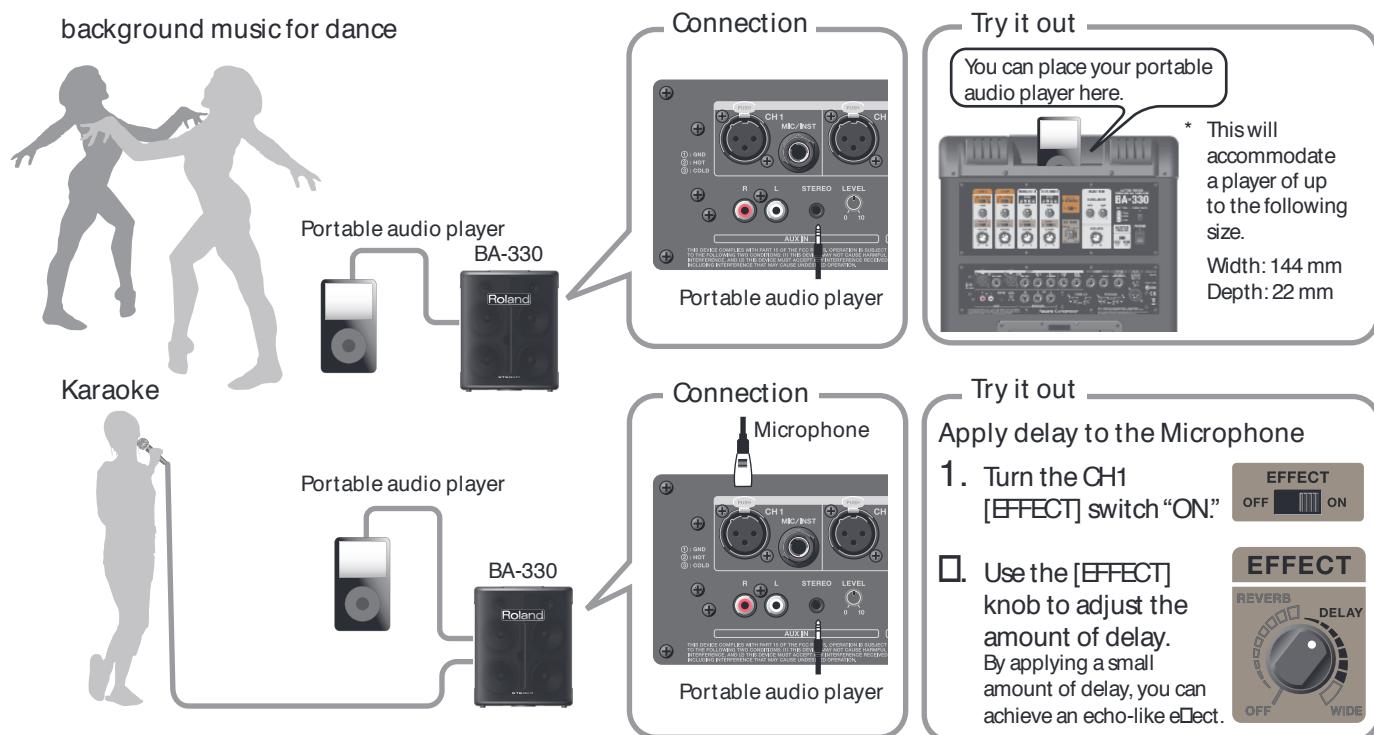
## Vocalist with keyboard

You can connect your keyboard in stereo, and sing and play along with an accompaniment provided from your portable audio player.



## Karaoke or background music for an event or dance

You can connect an audio device to provide background music for an event. You can also connect a microphone and enjoy karaoke.



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# Convenient Features

## Suppressing feedback

### What is feedback?

Feedback occurs when sound that's being output from a speaker enters a microphone or pickup and is amplified and output again from the speaker, producing an unpleasant oscillation (a squealing or howling noise).

## Using the anti-feedback function

### What is the anti-feedback function?

This function suppresses the feedback that can occur between a guitar or microphone and the amplifier. It does so by attenuating the sound of the frequency at which feedback is occurring.

The BA-330 lets you suppress feedback by using a single switch.

#### 1. Turn the [ANTI-FEEDBACK] switch "ON."

The anti-feedback function will be applied to the microphones or guitars connected to the CH1 and CH2 inputs.



We recommend that you turn the anti-feedback function "ON" before you begin performing, since this will prevent feedback during your performance.

#### NOTE

The anti-feedback function will be optimized each time you turn on the BA-330's power.

#### MEMO

Howling could be produced depending on the location of microphones relative to speakers. This can be remedied by:

1. Changing the orientation of the microphone(s).
2. Relocating microphone(s) at a greater distance from speakers.
3. Lowering volume levels.

## Connecting an additional unit to increase the output (Stereo Link)

By connecting two BA-330 units you can create a stereo PA system with greater output power (30W + 30W).

This function is called "Stereo Link."

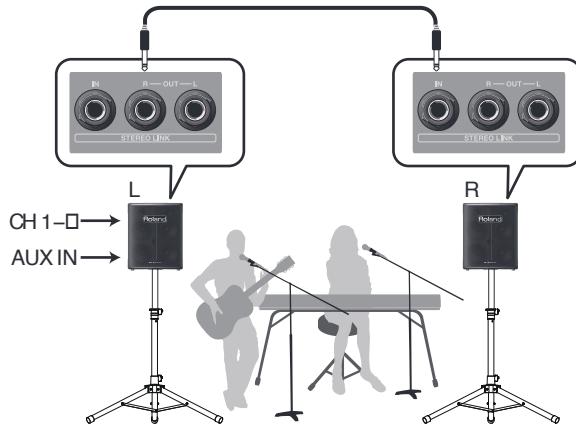
You can connect Stereo Link in either of the following two ways.

- If using the input jacks of only one of the units  
Use one cable with a 1/4" phone plug
- If you want to use the input jacks of both units  
Use two cables having 1/4" phone plugs

## Connection when using the input jacks of only one unit

### If you want to connect input sources to the BA-330 (L)

Up to 6 input devices can be connected.



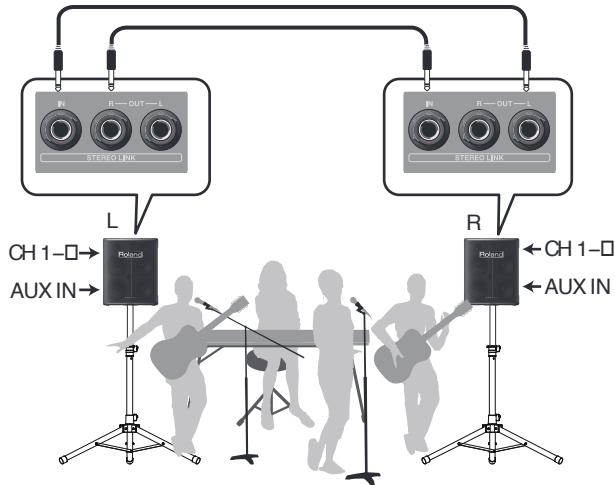
1. Connect the devices to the BA-330 (L).
- Connect the STEREO LINK OUT R jack on the BA-330 (L) and the STEREO LINK IN jack on the BA-330 (R).
3. Turn on both BA-330 (L) and BA-330 (R).
- Adjust the volume levels on all devices.
5. Adjust the BA-330 (L) and BA-330 (R) volume levels separately using their [VOLUME] knobs.

### If you want to connect input sources to the BA-330 (R)

As described in "Connecting input devices to the L-channel BA-330," connect the R-channel unit's STEREO LINK OUT L jack to the L-channel unit's STEREO LINK IN jack.

## Connections that allow the input jacks of both units to be used

This arrangement lets you play in stereo, making maximum use of the two BA-330s' mixer functions (with 12 inputs).



1. Connect the devices to the BA-330 (L) and BA-330 (R).
- Connect the STEREO LINK OUT R jack on the BA-330 (L) and the STEREO LINK IN jack on the BA-330 (R).
3. Connect the STEREO LINK OUT L jack on the BA-330 (R) and the STEREO LINK IN jack on the BA-330 (L).
- Turn on both BA-330 (L) and BA-330 (R).
5. Adjust the volume levels on all devices.
- Adjust the BA-330 (L) and BA-330 (R) volume levels separately using their [VOLUME] knobs.

## Adjusting the volume and tone quality

Adjust the L and R volume levels separately using their MASTER [VOLUME] knobs. You can adjust the EQUALIZER ([LOW]/[HIGH] knobs) independently for the L and R sides. Basically, they should be set to the same positions, but you can adjust each one as necessary to suit the needs of a particular setup.

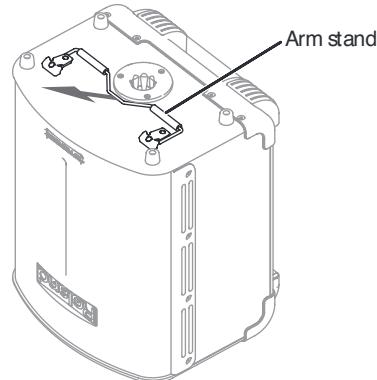
## Using a stand

### Using the BA-330's stand

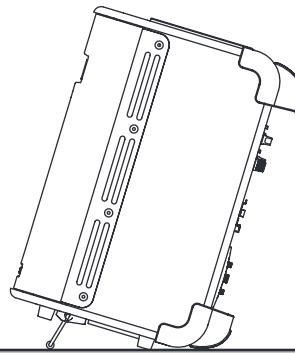
When using the BA-330 on floors, or in other low-lying positions, then setting up and using the arm stand can make it easier to hear the sound from the speakers.

### Using the arm stand

1. Turn the BA-330 over and raise the arm stand.



- Place the BA-330 on a flat and level surface.



### ⚠ CAUTION

- When turning the unit upside-down, handle with care to avoid dropping it, or allowing it to fall or tip over.
- When using the arm stand, always be sure to place it so the BA-330 remains level.
- When not using the arm stand, fold it up.
- Never lift up and carry the BA-330 by holding the folding stand.
- Never place any objects on top of the BA-330 when using the arm stand. Also, never sit or lean on the folding stand.
- When folding the folding stand, be careful not to pinch your fingers.

English

Deutsch

Français

Italiano

Español

Português

Nederlands

## Using a speaker stand (Option: ST-A95)

By using a speaker stand (Option: ST-A95), you can mount the BA-330 at the optimal height for use as a monitor speaker or simple PA device.

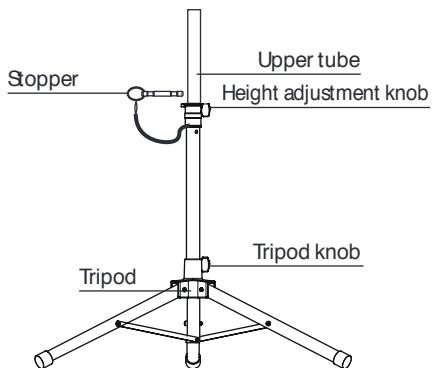
### Attachment procedure

#### NOTE

Always have at least one other person assist you when mounting the BA-330 on a speaker stand, or when adjusting the height of the stand while the BA-330 remains mounted on it.

#### NOTE

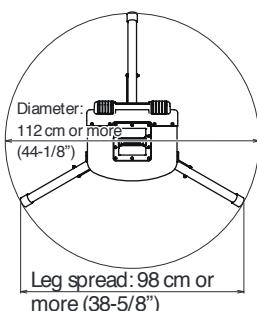
Be careful not to pinch your fingers, when you assemble.



#### 1. Loosen tripod knob and open the tripod.

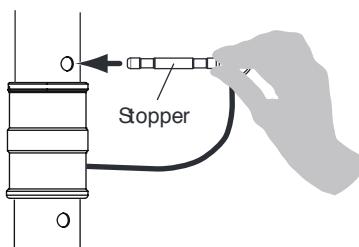
After opening the tripod, tighten the tripod knob again.

- \* The distance between lower ends of the tripod should be 98cm as shown in figures on the below. If the tripod is not opened wide enough, the stand may be unstable.



#### □ Loosen height adjustment knob and make upper tube longer.

#### 3. Set up upper tube at the required height and insert the stopper into the hole in upper tube (refer to following figure).



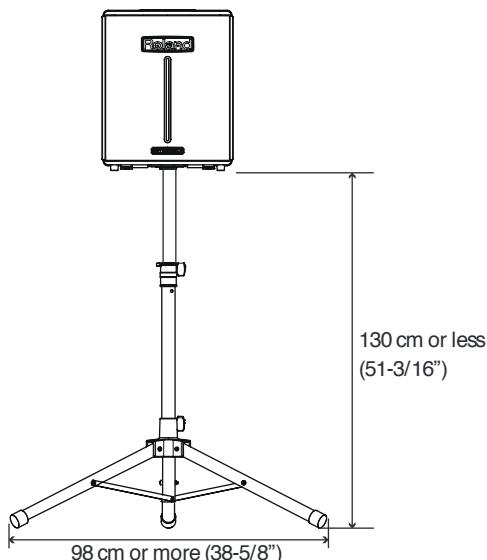
\* Use the ST-A95 only with the stopper inserted into upper tube.

#### □ Tighten height adjustment knob.

#### 5. Fit the hole on the BA-330 onto upper tube.

#### **WARNING**

- The BA-330 is designed to be used in combination with the speaker stand manufactured by Roland (ST-A95). Please do not use any other stands.
- Before use, adjust the speaker stand to a height of 130 cm (51-3/16") or less and a leg spread of 98 cm (38-5/8") or more, as shown in the figure below.

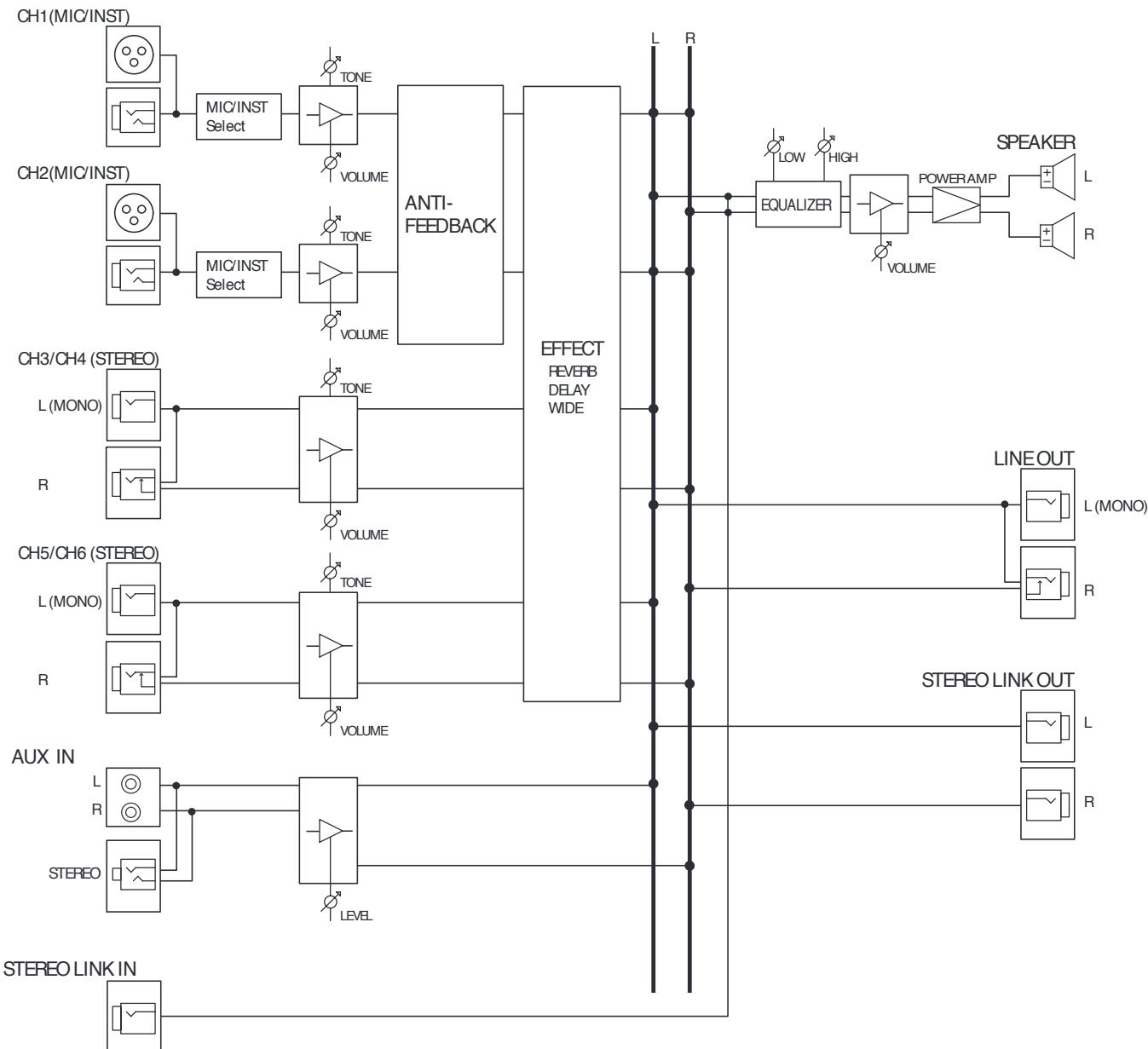


- Using a speaker stand that does not meet the specifications at left or that is adjusted to a height over 130 cm (51-3/16"), or a leg spread of less than 98 cm (38-5/8") may result in damage to equipment or injury due to the stand tipping over.
- When using BA-330 with a speaker stand, the speaker stand must be carefully placed so it is level and sure to remain stable.
- Cables connected to BA-330 should be given enough slack to prevent accidents that might result from someone tripping over them.
- To prevent accidents due to falls, do not place any object on the BA-330 when it's mounted on a speaker stand.

# Appendix

## Block Diagram

### INPUT



English

Deutsch

Français

Italiano

Español

Português

Nederlands

## Main Specifications

**BA-330: BATTERY POWERED STEREO PORTABLE AMPLIFIER**

**Rated Power Output**

15 W + 15 W

**Nominal Input Level (1 kHz)**

CH 1, CH 2 MIC: -50 dBu

CH 1, CH 2 INST: -20 dBu

CH 3/CH 4, CH 5/CH 6: -20 dBu

AUX IN: -10 dBu

STEREO LINK IN: -10 dBu

**Nominal Output Level (1 kHz)**

LINEOUT: -10 dBu

STEREO LINK OUT: -10 dBu

**Speakers**

16 cm (6.5 inches) x 4

Tweeter x 2

**Controls**

POWER Switch

Channel Controls

CH1, CH2

MIC/INSTRUMENT Switch

EFFECT Switch

TONE Knob

VOLUME Knob

CH3/CH4, CH5/CH6

EFFECT Switch

TONE Knob

VOLUME Knob

Master Controls

Equalizer

LOW Knob

HIGH KNOB

VOLUME Knob

ANTI FEEDBACK Switch

EFFECT Knob

BATTERY CHECK/MUTE Switch

OUTPUT POWER Switch

AUX IN Controls

LEVEL Knob

**Indicator**

BATTERY, BATTERY CHECK/MUTE, POWER

**Connectors**

CH 1, CH 2

Input Jacks (XLR type, 1/4" TRS phone type)

CH 3/CH 4, CH 5/CH 6

Input Jack L/MONO (1/4" phone type)

Input Jack R (1/4" phone type)

AUX IN

Input Jacks (Stereo miniature phone type, RCA phono type)

Output

LINEOUT Jack L/MONO (1/4" phone type)

LINEOUT Jack R (1/4" phone type)

STEREO LINK

STEREO LINK OUT Jacks L/MONO, R (1/4" phone type)

STEREO LINK IN Jack (1/4" phone type)

FOOT SWITCH

FOOT SWITCH Jack (1/4" phone type)

DC IN

DC IN Jack

**Power Supply**

DC 12 V: Dry Battery (LR6 (AA) type) x 8 or AC Adaptor

**Current Draw**

410 mA

\* Expected battery life under continuous use:

m Alkaline

MAX about 8 hours

ECO about 12 hours

m Nickel-metal hydride

MAX about 10 hours

ECO about 15 hours

These figures will vary depending on the actual conditions of use.

**Dimensions**

414.6 (W) x 322.5 (D) x 508.6 (H) mm

16-3/8 (W) x 12-3/4 (D) x 20-1/16 (H) inches

**Weight**

13.8 Kg

30 lbs 7 oz

(Excluding Battery)

**Accessories**

AC Cord, AC Adaptor, Owner's Manual

**Options**

Carrying Bag (CB-BA330), Speaker Stand (ST-A95)

Foot Switch: BOSS FS-5L (MUTE), BOSS FS-5U (EFFECT)

BOSS FS-6

Connection Cable: PCS-31, PCS-33

\* 0 dBu = 0.775 Vrms

\* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

## Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

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Chaudron - BP79 97 491  
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Instruments Co. LLC.  
Zabeel Road, Al Sherooq Bldg.,  
No.14, Ground Floor, Dubai,  
U.A.E  
TEL: (04) 3360715

### SYRIA

SYRIA  
Technical Light & Sound Center  
PO BOX 13520 BLDG No.17  
ABDUL WAHAB KANAWATI ST  
RAWDA DAMASCUS, SYRIA  
TEL: (011) 223-5384

### TURKEY

TURKEY  
ZUHAL DISTICARE A.S.  
Galip Dede Cad. No.37  
Beyoglu - Istanbul / TURKEY  
TEL: (0212) 249 85 10

### U.A.E

U.A.E  
Zak Electronics & Musical  
Instruments Co. LLC.  
Zabeel Road, Al Sherooq Bldg.,  
No.14, Ground Floor, Dubai,  
U.A.E  
TEL: (04) 3360715

### CANADA

CANADA  
Roland Canada Ltd.  
(Head OÜ ce)  
5480 Parkwood Way Richmond B.  
C, V6V 2M4 CANADA  
TEL: (604) 270 6626

Roland Canada Ltd.  
(Toronto OÜ ce)  
170 Admiral Boulevard  
Mississauga On L5T 2N6 CANADA  
TEL: (905) 362 9707

### U. S. A.

U. S. A.  
Roland Corporation U.S.  
5100 S Eastern Avenue  
Los Angeles, CA 90040-2938,  
U. S. A.  
TEL: (323) 890 3700

For the U.K.

**WARNING:** THIS APPARATUS MUST BE EARTHED

**IMPORTANT:** THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE  
GREEN-AND-YELLOW: EARTH, 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 GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol  or coloured GREEN or GREEN-AND-YELLOW.

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.



This product complies with the requirements of EMC Directive 2004/108/EC.

For EU Countries

For the USA

## FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.  
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

### NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

### AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For C.A. US (Proposition 65)

### WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.

# 有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

## 环保使用期限



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在自制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。

环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。

不当的使用，将会导致有害物质泄漏的危险。

## 产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(IV))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳（壳体）	×	○	○	○	○	○
电子部件（印刷电路板等）	×	○	×	○	○	○
附件（电源线、交流适配器等）	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

因根据现有的技术水平，还没有什么物质能够代替它。

## For EU Countries



**UK** This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.

**DE** Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit den Hausmüll entsorgt werden.

**FR** Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.

**IT** Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.

**ES** Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como esté regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.

**PT** Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.

**NL** Dit symbol geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.

**DK** Dette symbol angiver, at i EU-lande skal dette produktet opsamles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.

**NO** Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

**SE**

Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.

**FI**

Tämä merkintä ilmaisee, että tuote on EU-maissa kerätävä erillään kotitalousjätteistä jokin alueen voimassa olevien määryysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.

**HU**

Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladékolt elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.

**PL**

Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w kraju UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.

**CZ**

Tento symbol udává, že v zemích EU musí být tento výrobek sbírána odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhazovat spolu s domácím odpadem.

**SK**

Tento symbol vyjadruje, že v krajinách EÚ sa musí zberať tohto produktu vykonávať oddelenie od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.

**EE**

See sümbool nätab, et EL-i maades tuleb see toode olempurigist eraldi koguda, nii nagu on igas piirkonnas määratletud. Selle stümboliga märgitud tooteid ei tohi ära visata koos olmeprügiga.

**LT**

Šis simbolis rodo, kad ES valstis šo produktus turi būti surenkamas atskirai nuo būtinės atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinti produktui neturi būti išmetami kartu su būtinėmis atliekomis.

**LV**

Šis simbols norāda, ka ES valstis šo produktu jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produktus ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.

**SI**

Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinjskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinjskimi odpadki.

**GR**

To σύμβολο αντό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με άσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

**Roland®**



\* 5 1 0 0 0 9 4 7 1 - 0 1 \*

