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## Soundking AK20-RA

# Soundking AK20-RA Guitar Amplifier User Manual

## INTRODUCTION

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Thank you for purchasing the Soundking AK20-RA Guitar Amplifier. This 60-watt, 2-channel amplifier is designed for electric guitar and bass, offering versatile sound options for practice and small performances. Please read this manual thoroughly to ensure proper operation and to maximize your amplifier's potential.

## IMPORTANT SAFETY INSTRUCTIONS

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- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.

## PACKAGE CONTENTS

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- Soundking AK20-RA Guitar Amplifier

- Power Cable
- User Manual

## PRODUCT OVERVIEW

The Soundking AK20-RA features a user-friendly control panel and essential connections for various applications.

### Front Panel Controls



**Image Description:** A close-up photograph of the Soundking AK20-RA guitar amplifier's front control panel. It shows the input jack, various knobs for Overdrive, Volume, Treble, Mid, Bass, Presence, Reverb, and Phones, along with the Power switch. The "Digital Reverb" and "Depth Master" sections are clearly visible.

1. **INPUT:** Connect your electric guitar or bass here using a standard 6.35mm (1/4-inch) instrument cable.
2. **OVERDRIVE:** Activates the overdrive channel. Use this knob to adjust the amount of distortion (gain).
3. **VOLUME:** Controls the overall output volume of the amplifier.
4. **TREBLE:** Adjusts the high-frequency response of your tone.
5. **MID:** Adjusts the mid-range frequency response of your tone.
6. **BASS:** Adjusts the low-frequency response of your tone.
7. **PRESENCE:** Fine-tunes the upper-mid to high-frequency range, adding clarity and sparkle.
8. **REVERB:** Controls the level of the integrated digital reverb/delay effect.
9. **PHONES:** Connect headphones here for silent practice. The main speaker will be muted when headphones are connected.
10. **POWER:** Main power switch for turning the amplifier ON or OFF.

### Rear Panel Connections (Effect Loop)



**Image Description:** A close-up photograph of the Soundking AK20-RA guitar amplifier's rear panel, specifically highlighting the "EFFECT LOOP" section. It shows two 6.35mm (1/4-inch) jacks labeled "RETURN" and "SEND".

- **SEND:** Connect this output to the input of external effects pedals (e.g., modulation, delay, reverb).
- **RETURN:** Connect the output of your external effects pedals to this input.

## SETUP

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1. **Placement:** Place the amplifier on a stable, flat surface. Ensure adequate ventilation around the unit. Avoid placing it near heat sources or in direct sunlight.
2. **Power Connection:** Ensure the amplifier's POWER switch is in the OFF position. Connect the supplied power cable to the amplifier's power inlet and then to a suitable AC power outlet.
3. **Instrument Connection:** Connect your electric guitar or bass to the **INPUT** jack on the front panel using a high-quality instrument cable.
4. **Initial Settings:** Before powering on, set all volume and gain knobs (VOLUME, OVERDRIVE, REVERB) to their minimum (0) positions. Set the equalizer knobs (TREBLE, MID, BASS, PRESENCE) to their center (5) positions.

## OPERATING INSTRUCTIONS

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### Powering On/Off

- To turn ON: Ensure all volume controls are at minimum, then press the **POWER** switch to the ON position.
- To turn OFF: Lower all volume controls, then press the **POWER** switch to the OFF position.

## Clean Channel Operation

- Ensure the **OVERDRIVE** knob is set to 0 (off).
- Slowly increase the **VOLUME** knob to your desired listening level.
- Use the **TREBLE**, **MID**, **BASS**, and **PRESENCE** controls to shape your clean tone.

## Overdrive Channel Operation

- To engage the overdrive channel, rotate the **OVERDRIVE** knob clockwise from 0.
- Adjust the **OVERDRIVE** knob to control the amount of distortion or gain.
- Adjust the **VOLUME** knob for the overall output level of the overdrive channel.
- Use the **TREBLE**, **MID**, **BASS**, and **PRESENCE** controls to further shape your distorted tone.

## Using the Digital Reverb/Delay

- The AK20-RA features an integrated digital reverb/delay effect.
- Rotate the **REVERB** knob clockwise to increase the intensity and duration of the effect.

## Using the Effect Loop

- The effect loop allows you to integrate external effects pedals into the amplifier's signal path after the preamp section.
- Connect the **SEND** jack to the input of your external effects pedal(s).
- Connect the output of your external effects pedal(s) to the **RETURN** jack.
- This placement is ideal for time-based effects like delay, chorus, or flanger, ensuring they are applied to the amplifier's processed tone (clean or overdrive).

## Headphone Use

- Plug standard stereo headphones into the **PHONES** jack for silent practice.
- Connecting headphones will automatically mute the amplifier's internal speaker.
- Adjust the **VOLUME** knob to control the headphone output level.

## MAINTENANCE

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- **Cleaning:** Disconnect the amplifier from power before cleaning. Use a soft, dry cloth to wipe down the exterior. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the amplifier in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Transportation:** When moving the amplifier, ensure it is powered off and unplugged. Use the built-in handle for carrying. The robust cabinet with metal corners provides protection during transport.
- **Ventilation:** Ensure that the amplifier's ventilation openings are not blocked to prevent overheating.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound	Amplifier not powered on; Volume knobs set to minimum; Instrument cable faulty or not connected; Headphones connected.	Check power switch and cable; Increase VOLUME; Check instrument cable connections; Disconnect headphones.
Weak or distorted sound (unexpected)	Incorrect gain/volume settings; Faulty instrument cable; Guitar/bass output issues; External effects loop issues.	Adjust VOLUME and OVERDRIVE knobs; Try a different instrument cable; Check guitar/bass battery or electronics; Bypass external effects.
Humming or buzzing noise	Ground loop; Faulty cable; Interference from other electronic devices.	Try plugging into a different outlet; Use shielded cables; Move amplifier away from other electronics; Check for faulty cables.
Effects loop not working	Cables incorrectly connected; External effect pedal not powered or faulty.	Ensure SEND is connected to pedal input and pedal output to RETURN; Check power and functionality of external pedal.

## SPECIFICATIONS

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- **Model:** AK20-RA
- **Output Power:** 60 Watts (Peak)
- **Speaker Size:** 8 Inches
- **Channels:** 2 (Clean, Overdrive)
- **Equalizer:** 4-Band (Treble, Mid, Bass, Presence)
- **Effects:** Integrated Digital Reverb/Delay
- **Connections:** 6.35mm (1/4-inch) Instrument Input, 6.35mm (1/4-inch) Headphone Output, Effect Loop (Send/Return)
- **Compatible Devices:** Electric Guitar, Electric Bass
- **Material:** Plastic (Cabinet with metal corners)
- **Color:** Black
- **Dimensions (L x W x H):** 34 cm x 34 cm x 20 cm (13.4 x 13.4 x 7.9 inches)
- **Weight:** 7.2 kg (15.9 lbs)

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your local Sounding dealer. Please retain your proof of purchase for warranty claims.