BOSS ACS-PRO

BOSS Acoustic Singer Pro ACS-PRO Instruction Manual

Model: ACS-PRO | Brand: BOSS

Introduction

The BOSS Acoustic Singer Pro ACS-PRO is a 120-watt bi-amp acoustic combo amplifier designed for acoustic guitar and vocal performance. This amplifier integrates advanced BOSS technology to deliver rich, vibrant sound with exceptional clarity. It features independent channels for acoustic guitar and vocals, each equipped with discrete analog input circuits and a three-band EQ for precise sound shaping. Additional functionalities include Acoustic Resonance, a looper, automatic vocal harmonies, and various effects, providing acoustic musicians with a comprehensive tool for live performances.



Figure 1: Front view of the BOSS Acoustic Singer Pro ACS-PRO amplifier.

Setup

Follow these steps to set up your BOSS Acoustic Singer Pro ACS-PRO amplifier:

1. **Unpacking:** Carefully remove the amplifier from its packaging. Inspect for any signs of damage during transit. Retain all packaging materials for future transport or storage.
2. **Placement:** Place the amplifier on a stable, flat surface. Ensure adequate ventilation around the unit to prevent overheating.
3. **Power Connection:** Connect the supplied power cord to the AC IN jack on the rear panel of the amplifier and then to a suitable AC outlet. The amplifier operates on a corded electric power source.
4. **Instrument Connection (Guitar):** Connect your acoustic guitar to the GUITAR input jack using a standard 1/4-inch instrument cable.
5. **Microphone Connection (Vocal):** Connect your microphone to the MIC/MIX input jack using an XLR cable. If your microphone requires phantom power, ensure the PHANTOM power switch is set to ON.
6. **Auxiliary Input:** For connecting external audio devices (e.g., music player), use the AUX INPUT jack.
7. **Foot Control:** Connect an optional footswitch (e.g., BOSS FS-6, FS-7) to the FOOT CONTROL jacks for hands-free control of functions like harmony, looper, and effects.



Figure 2: Rear panel of the BOSS Acoustic Singer Pro ACS-PRO, showing power and input/output connections.

Operating Instructions

Familiarize yourself with the controls and functions of your amplifier:

Powering On/Off

- To power on, ensure all volume knobs are at their minimum setting, then press the POWER switch.
- To power off, turn down all volume knobs, then press the POWER switch.

Channel Controls

The amplifier features two independent channels: GUITAR and MIC/MIX.

- **VOLUME:** Adjusts the overall volume for each channel.
- **BASS, MIDDLE, TREBLE:** Three-band EQ controls to shape the tone of each channel.
- **PAD:** Attenuates the input signal for high-output instruments or microphones.
- **PHANTOM:** Provides +48V phantom power for condenser microphones on the MIC/MIX channel.
- **ACOUSTIC RESONANCE (Guitar Channel):** Enhances the natural resonance of acoustic guitars, particularly those with piezo pickups.

Effects

- **DELAY/ECHO:** Adds delay or echo effects.
- **REVERB:** Adds spacious reverberation.
- **CHORUS (Guitar Channel):** Adds a rich, swirling modulation effect. Type 1 and Type 2 options are available.
- **ANTI-FEEDBACK/NOTCH:** Helps to eliminate feedback by identifying and cutting problematic frequencies.

Harmony Function (MIC/MIX Channel)

The Harmony function automatically generates vocal harmonies based on the guitar input.

- **ON/OFF:** Activates or deactivates the harmony effect.
- **TYPE:** Selects the harmony interval (HIGH, UNISON, LOW).
- **LEVEL:** Adjusts the volume of the generated harmony.

Looper Function

The built-in looper allows you to record and layer musical phrases.

- **REC:** Starts recording a new loop.
- **PLAY:** Plays back the recorded loop.
- **OVERDUB:** Records additional layers over an existing loop.
- **STOP:** Stops playback or recording.
- **CLEAR PHRASE:** Deletes the current loop.

Master Controls

- **MASTER:** Controls the overall output volume of the amplifier.
- **TWEETER ATT:** Attenuates the tweeter output for a softer high-frequency response.
- **MUTE:** Mutes the amplifier's output.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your amplifier:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Avoid abrasive cleaners, solvents, or waxes. Do not spray liquids directly onto the unit.
- **Storage:** When not in use, store the amplifier in a dry, cool environment away from direct sunlight and extreme temperatures. If storing for extended periods, consider covering it to protect against dust.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Proper airflow is crucial to prevent internal components from overheating.
- **Transportation:** When moving the amplifier, use the integrated handle. For longer distances, consider using a protective case.

Troubleshooting

If you encounter issues with your BOSS Acoustic Singer Pro ACS-PRO, refer to the following common troubleshooting tips:

- **No Sound:**
  - Check if the amplifier is powered on and the power cable is securely connected.
  - Ensure all volume knobs (channel and master) are turned up.

- Verify that instrument and microphone cables are correctly connected and not damaged.
- Check if the MUTE function is active.

- **Distorted Sound:**
  - Reduce the input volume of your instrument or microphone.
  - Engage the PAD switch on the respective channel if the input signal is too strong.
  - Lower the channel or master volume.
- **Feedback:**
  - Adjust the ANTI-FEEDBACK/NOTCH control to find and eliminate problematic frequencies.
  - Move the amplifier or your instrument/microphone to a different position.
  - Reduce the overall volume.
- **Looper Not Recording/Playing:**
  - Ensure the looper is in the correct mode (REC for recording, PLAY for playback).
  - Check if a previous phrase needs to be cleared using the CLEAR PHRASE function.

If the issue persists after trying these steps, please contact BOSS customer support or a qualified service technician.

Specifications

Feature	Specification
Model Name	Ampli Acoustic Singer Pro
Model Number	ACS-PRO
Output Wattage	120 Watts
Number of Bands	2
Speaker Size	8 Inches
Power Source	Corded Electric
Output Channel Quantity	2
Amplifier Type	Solid State
Connector Type	XLR
Enclosure Material	Wood
Item Dimensions (D x W x H)	19" x 17.5" x 14.25"
Item Weight	9 Grams
UPC	761294509609
GTIN	761294509609

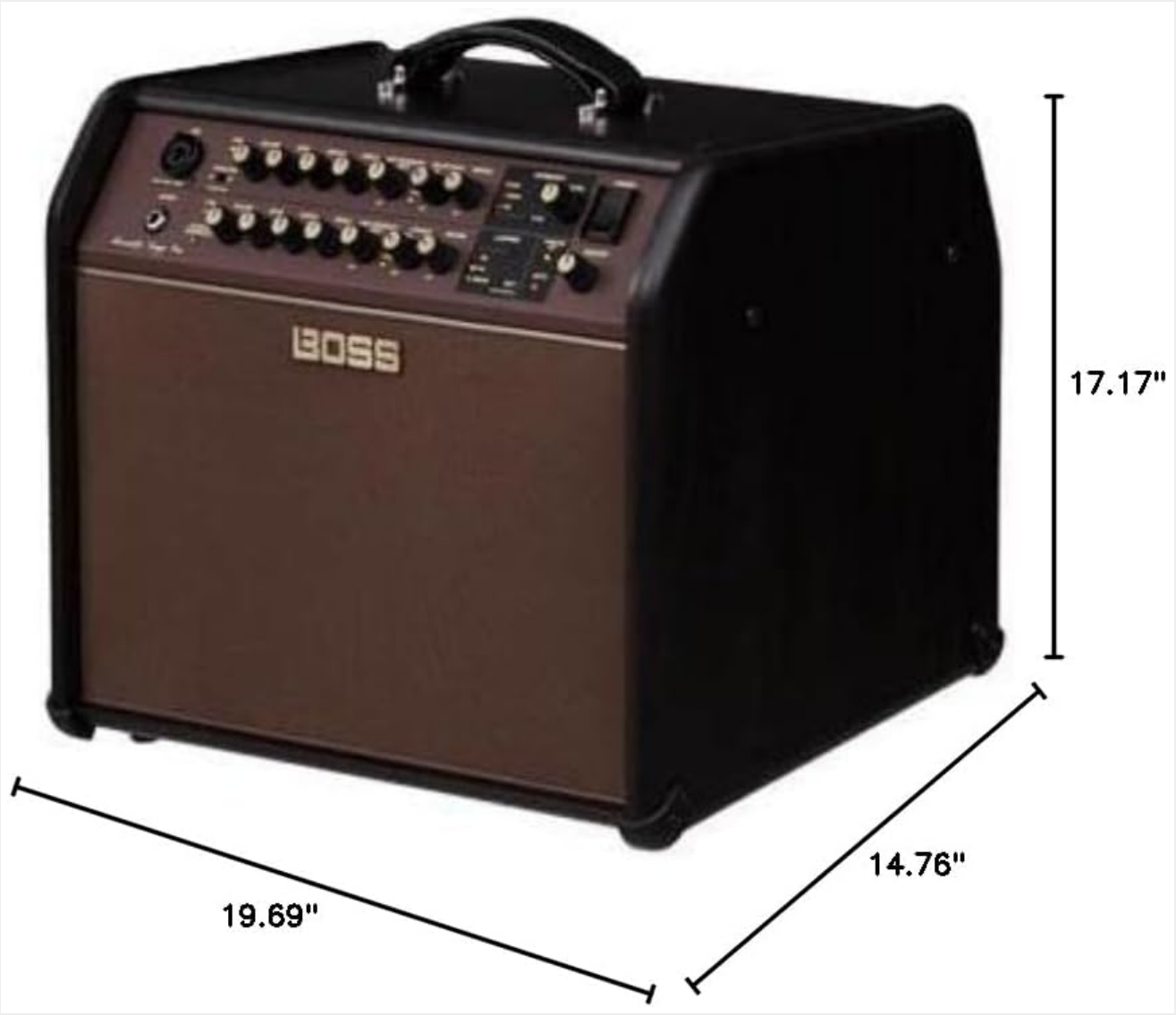


Figure 3: Dimensions of the BOSS Acoustic Singer Pro ACS-PRO amplifier.

Warranty and Support

For detailed warranty information, please refer to the official BOSS manufacturer's website. The warranty description states to "See Manufacturer's Website" for full details.
For product support, technical assistance, or service inquiries, please visit the BOSS official support page or contact their customer service department. Contact details can typically be found on the manufacturer's website.