

PRORECK SP-218X

PRORECK SP-218X Active Powered PA DJ Subwoofer Cabinet Instruction Manual

Model: SP-218X

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your PRORECK SP-218X Active Powered PA DJ Subwoofer Cabinet. Please read this manual thoroughly before using the product to ensure proper setup, operation, and maintenance. Keep this manual for future reference.

The PRORECK SP-218X is a powerful active subwoofer designed for sound reinforcement, featuring dual 18-inch woofers, a Class-D amplifier, and multiple DSP presets for various applications.

2. SAFETY INFORMATION

Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, and injury.

- **Power Source:** Connect the unit only to a 115V~60Hz power supply. Ensure the power cord is not damaged or pinched.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit. This product is not waterproof.
- **Placement:** Place the unit on a stable, level surface. Avoid placing it near heat sources or in direct sunlight.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Handling:** The unit is heavy (159.2 lbs). Use caution and proper lifting techniques when moving it. Utilize the side handles for transport.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x PRORECK SP-218X Active Powered PA DJ Subwoofer Cabinet
- 2 x 18-inch Woofers (integrated within the cabinet)
- Power Cable
- User Manual (this document)

4. PRODUCT FEATURES

- **Powerful Performance:** 1000 Watts RMS / 5000 Watts Peak power output.
- **Dual 18-inch Woofers:** Equipped with 80oz magnets and 3-inch voice coils for deep bass reinforcement.
- **Class-D Amplifier:** Efficient built-in amplification for clear and powerful sound.
- **DSP Presets:** Features 3 Digital Signal Processing presets for optimized sound in various scenarios.
- **XLR Connectivity:** XLR input and output jacks for easy connection to mixers or other amplifiers.
- **Electronic Crossover:** Adjustable crossover from 35Hz to 120Hz.
- **XLR High Pass Output:** Filtered output from 120Hz to 20KHz for connecting full-range speakers.
- **Phase Selection:** Button to select phase from normal to 180° for optimal multi-subwoofer setups.
- **Durable Construction:** Super solid housing made of plywood to reduce resonance and improve sound quality.
- **Portability:** Two side handles for easier transport.

5. CONTROLS AND CONNECTIONS



1 XLR Output (FULL RANGE)

Parallel balanced stereo XLR output. It delivers an exact copy of the input signal.

2 XLR Input

Balanced XLR input for connecting signals from mixers or other amplifiers.

3 Volume

This knob allows to increase or decrease the volume control level.

4 Phase

Phase selection button NORMAL- REV180°.

5 Limit

This LED indicates that the input signal is too high, which may distort the output sound or even damage the unit.

6 Power Indicator

Led power indicator.

7 XLR Output (HIGH PASS)

Filtered balanced XLR output (high-pass from 120Hz).

8 ON/OFF Switch

Turn on and turn off your unit with this interrupter.

9 Input Voltage

115V~60Hz



Image Description:

This image displays the rear control panel of the PRORECK SP-218X subwoofer, highlighting various inputs, outputs, and controls. Numbered labels correspond to the descriptions below.

1. **XLR Output (FULL RANGE):** Parallel balanced stereo XLR output. Delivers an exact copy of the input signal.
2. **XLR Input:** Balanced XLR input for connecting signals from mixers or other amplifiers.
3. **Volume:** Knob to increase or decrease the volume control level.
4. **Phase:** Phase selection button (NORMAL - REV180°).
5. **Limit:** LED indicator. Illuminates when the input signal is too high, which may distort the output sound or damage the unit.
6. **Power Indicator:** LED power indicator.
7. **XLR Output (HIGH PASS):** Filtered balanced XLR output (high-pass from 120Hz).
8. **ON/OFF Switch:** Main power switch to turn the unit on and off.
9. **Input Voltage:** Power input for 115V~60Hz.



Image Description: This image highlights the design features of the subwoofer, including the rubber foot pads on the sides that allow the subwoofer to stand upright, the connection detail for easy assembly and movement, and the lifting handles for convenience.

6. SETUP

1. **Placement:** Position the subwoofer on a stable, level surface. Consider room acoustics and desired bass response when choosing a location. Ensure adequate space for ventilation.
2. **Power Connection:** Ensure the ON/OFF switch (8) is in the OFF position. Connect the power cable to the Input Voltage (9) receptacle on the rear panel and then to a grounded 115V~60Hz AC outlet.
3. **Audio Input Connection:**
 - Connect your mixer or audio source to the XLR Input (2) using a balanced XLR cable.
 - If connecting additional full-range speakers, use the XLR Output (HIGH PASS) (7) to send a filtered signal (120Hz and above) to those speakers. For a full-range signal to another subwoofer or device, use the XLR Output (FULL RANGE) (1).
4. **Initial Volume Setting:** Turn the Volume knob (3) to its minimum setting before powering on.

7. OPERATING INSTRUCTIONS

- Power On:** Flip the ON/OFF Switch (8) to the ON position. The Power Indicator (6) LED should illuminate.
- Adjust Volume:** Slowly increase the Volume knob (3) to the desired listening level. Monitor the Limit LED (5). If it illuminates frequently or stays lit, reduce the input signal level from your source or decrease the subwoofer's volume to prevent distortion and potential damage.
- Phase Adjustment:** If using multiple subwoofers or integrating with other speakers, adjust the Phase button (4) (NORMAL or REV180°) to achieve the best bass response and alignment with other audio components. Experiment with both settings to find the optimal sound.
- DSP Presets:** The SP-218X includes 3 DSP presets. Refer to the specific DSP control panel (if present, not detailed in provided images) for instructions on how to select and utilize these presets to optimize sound for different environments or music types.
- Power Off:** Before disconnecting power or making changes to connections, turn the Volume knob (3) to minimum and then flip the ON/OFF Switch (8) to the OFF position.

8. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Do not use abrasive cleaners, waxes, or solvents.
- Ventilation:** Regularly check that the ventilation openings are clear of dust and debris.
- Storage:** If storing the unit for an extended period, ensure it is in a dry, cool environment, protected from dust and extreme temperatures.
- Inspection:** Periodically inspect the power cord and all cables for any signs of damage.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; ON/OFF switch is off; Power outlet malfunction.	Ensure power cable is securely connected. Flip ON/OFF switch to ON. Test power outlet with another device.
No sound	Volume too low; Input cable not connected; Source device not playing; Incorrect input selected (if applicable).	Increase Volume knob. Check XLR input cable connection. Ensure audio source is active.
Distorted sound	Input signal too high (Limit LED on); Volume too high; Damaged speaker.	Reduce input signal from source. Decrease Volume knob. If distortion persists, contact support.
Weak or muddy bass	Incorrect phase setting; Poor room acoustics; Subwoofer placement.	Toggle Phase button (NORMAL/REV180°). Experiment with subwoofer placement.

10. SPECIFICATIONS

Feature	Detail
Brand	PRORECK
Model Number	SP-218X
Speaker Maximum Output Power	5000 Watts Peak / 1000 Watts RMS
Woofer Diameter	Dual 18 Inches
Voice Coil	3 Inches
Connectivity Technology	XLR (Wired)
Audio Output Mode	Mixed
Electronic Crossover	35Hz to 120Hz
XLR High Pass Output	120Hz to 20KHz
Enclosure Material	Plywood
Color	Black
Item Dimensions (D x W x H)	27"D x 49"W x 27"H
Item Weight	159.2 lbs
Power Source	Corded Electric (115V~60Hz)
Control Method	Button, Knob
DSP Presets	3
Water Resistance Level	Not Water Resistant

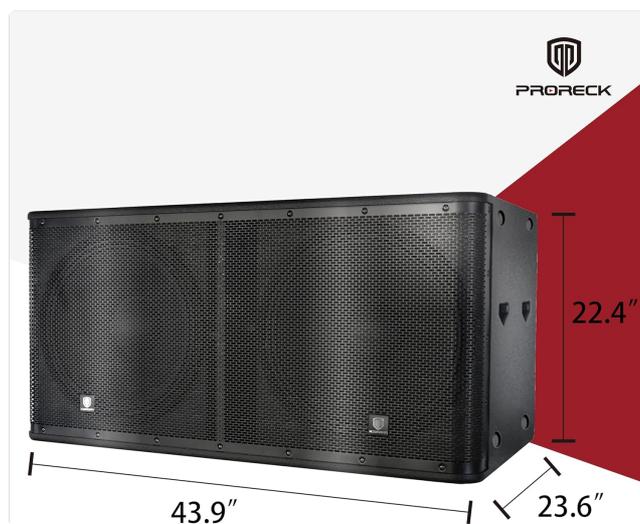


Image Description: This image provides the key dimensions of the PRORECK SP-218X subwoofer, showing a width of 43.9 inches, a height of 22.4 inches, and a depth of 23.6 inches.

11. WARRANTY AND SUPPORT

Warranty: This PRORECK SP-218X subwoofer comes with a 1-year free limited warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, troubleshooting, or warranty inquiries, please contact PRORECK AUDIO customer support. Refer to the contact information provided with your purchase or visit the official PRORECK website.

Online Resources: For additional information and support, you may visit the [PRORECK Store on Amazon](#).

12. PRODUCT OVERVIEW



Image Description: A front view of the PRORECK SP-218X subwoofer, accompanied by a list of its main specifications: 1000 Watts RMS/5000 peak, XLR output/input, Electronic Crossover (35-120 Hz), XLR High Pass Output (120Hz-20KHz), and 3" Voice Coil.



Image Description: The PRORECK SP-218X subwoofer positioned in a dynamic live event environment, with a crowd of people dancing and stage lighting in the background, illustrating its intended use.



Image Description: A collage

showcasing diverse applications for the PRORECK SP-218X subwoofer, including a live concert, a business meeting, an outdoor musical performance, and a fitness class, demonstrating its versatility.