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› Yamaha PSRE443 61-Key Portable Keyboard User Manual

Yamaha PSRE443

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Model: PSRE443

1. INTRODUCTION

This user manual provides comprehensive instructions for the Yamaha PSRE443 61-Key Portable Keyboard. It covers essential information for setting up, operating, maintaining, and troubleshooting your instrument. The PSRE443 is designed for musicians of all levels, offering a wide range of voices, accompaniment styles, and interactive learning features.



Figure 1.1: Front view of the Yamaha PSRE443 Portable Keyboard, showcasing the 61 keys, control panel, and integrated speakers.

2. SAFETY INFORMATION

Please read these safety precautions carefully before using your PSRE443 keyboard to ensure safe and optimal performance.

- **Power Supply:** Use only the specified power adapter (not included) or 6 AA batteries. Ensure the voltage matches the requirements of the instrument.
- **Location:** Avoid placing the instrument in direct sunlight, near heat sources, or in excessively dusty, humid, or vibrating environments.
- **Water and Moisture:** Do not expose the instrument to rain or moisture. Do not place containers with liquids on the instrument.
- **Handling:** Do not apply excessive force to the keys, buttons, or connectors. Avoid dropping the instrument.
- **Cleaning:** Clean the instrument with a soft, dry cloth. Do not use paint thinners, solvents, or cleaning fluids.

3. SETUP

3.1 Unpacking

Carefully remove the keyboard from its packaging. Retain the packaging materials for future transport or storage.

3.2 Power Connection

The PSRE443 can be powered using an AC adapter (sold separately) or batteries.

1. **Using an AC Adapter:** Connect the appropriate Yamaha AC power adapter (e.g., PA-150, sold separately) to the 12V DC IN jack on the rear panel of the keyboard. Plug the adapter into a standard AC outlet.
2. **Using Batteries:** Open the battery compartment on the underside of the keyboard. Insert six new "AA" size alkaline (LR6) or rechargeable Ni-MH batteries, ensuring correct polarity.

3.3 Connecting Headphones or External Audio System

To listen privately or connect to an external amplifier/speaker system, use the PHONES/OUTPUT jack.

1. Connect stereo headphones to the PHONES/OUTPUT jack. The internal speakers will be muted.
2. For external amplification, connect an audio cable from the PHONES/OUTPUT jack to the input of your amplifier or powered speakers.



Figure 3.1: Rear panel connections, including DC IN, USB TO HOST, USB TO DEVICE, SUSTAIN, AUX IN, and PHONES/OUTPUT jacks.

4. BASIC OPERATION

4.1 Power On/Off

Press the **[POWER]** button to turn the instrument on. Press and hold the **[POWER]** button for a few seconds to turn it off.

4.2 Volume Control

Adjust the **[MASTER VOLUME]** knob to set the overall output level of the instrument.

4.3 Selecting Voices

The PSRE443 features 755 high-quality voices, including realistic Sweet! and Cool! Voices.

1. Press the **[VOICE]** button.
2. Use the numeric keypad or the **[CATEGORY]** buttons to browse and select a voice. The selected voice name and number will appear on the LCD display.

4.4 Selecting Styles

The keyboard includes 200 diverse accompaniment styles.

1. Press the **[STYLE]** button.
2. Use the numeric keypad or **[CATEGORY]** buttons to select a style.
3. Press the **[ACMP ON/OFF]** button to start/stop the accompaniment.

5. ADVANCED FEATURES

5.1 Real-time Control Knobs

The two assignable real-time control knobs allow for dynamic manipulation of sound parameters such as filter cutoff, effects, and sound envelope during performance.

1. Turn the **[ASSIGN]** button to select the parameter you wish to control (e.g., Filter, Effect, EQ).
2. Rotate the **[CONTROL KNOB A]** or **[CONTROL KNOB B]** to adjust the selected parameter in real-time.



Figure 5.1: Real-time control knobs (A and B) and the ASSIGN button for dynamic sound manipulation.

5.2 Pitch Bend Wheel

Use the pitch bend wheel located on the left side of the keyboard to smoothly raise or lower the pitch of notes while playing.

5.3 PATTERN Function

The PATTERN function allows you to create and play dynamic grooves, similar to a DJ. Press the **[DJ PATTERN]** button to activate this mode and use the various pads and controls to build your patterns.

5.4 Arpeggio Function

The Arpeggio function automatically generates arpeggiated phrases based on the chords you play. Press the **[ARPEGGIO]** button to activate and deactivate this feature.

5.5 6-Track Sequencer

Record your performances using the built-in 6-track sequencer. This allows you to layer multiple instrument parts to create complete songs.

1. Press the **[REC]** button to enter recording standby mode.
2. Press **[START/STOP]** to begin recording.

3. Press **[START/STOP]** again to stop recording.

5.6 Music Database

The Music Database provides 305 song titles with pre-configured keyboard settings (voice, style, tempo) for quick and easy setup. Press the **[MUSIC DATABASE]** button and use the numeric keypad to select a song.

5.7 Yamaha Education Suite (Y.E.S.)

Y.E.S. offers a suite of lesson functions to help beginners learn to play. These include listening, timing, and waiting modes to practice songs at your own pace.

6. CONNECTIVITY

6.1 AUX IN Terminal

Connect an external audio player (e.g., smartphone, MP3 player) to the AUX IN terminal using a stereo mini cable. This allows you to play along with your favorite songs through the keyboard's speakers.



Figure 6.1: Connecting an external audio device to the AUX IN terminal.

6.2 USB TO HOST Terminal

Connect the keyboard to a computer (PC or Mac) using a standard USB cable. This enables MIDI communication, allowing you to use the keyboard as a MIDI controller or transfer MIDI data to and from your computer.

6.3 USB TO DEVICE Terminal

Insert a USB flash drive into the USB TO DEVICE terminal to save and load user data, such as recorded songs or registration memories.



Figure 6.2: Close-up view of the USB TO HOST and USB TO DEVICE ports for computer and storage connectivity.

6.4 iOS Device Connectivity

The PSRE443 supports connectivity with iOS devices (iPhone/iPod touch/iPad) for use with various Yamaha apps, enhancing your playing, performing, and practicing experience.

7. MAINTENANCE

7.1 Cleaning

Wipe the instrument with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and then wipe dry. Avoid abrasive cleaners or solvents.

7.2 Storage

When not in use for extended periods, disconnect the AC adapter or remove the batteries. Store the instrument in a cool, dry place away from extreme temperatures and humidity.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	AC adapter not connected, batteries depleted/incorrectly inserted	Check AC adapter connection; replace batteries or ensure correct polarity.
No sound	Volume too low, headphones connected, local control off	Increase MASTER VOLUME; disconnect headphones; check Local Control setting (refer to full manual).
Keys do not respond	MIDI settings, specific mode activated	Check MIDI settings if connected to computer; ensure not in a mode that disables keyboard input.

For more detailed troubleshooting, please refer to the complete owner's manual available on the Yamaha website.

9. SPECIFICATIONS

Feature	Description
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Feature	Description
Model Name	PSRE443
Model Number	PSR-E433
Number of Keys	61
Voices	755 High Quality Voices (including Sweet! and Cool! Voices)
Styles	200 Varieties of Styles
Sequencer	6-track recording
Control Knobs	2 Real-time Control Knobs
Connectivity	USB TO HOST, USB TO DEVICE, AUX IN (3.5mm Jack), PHONES/OUTPUT (3.5mm Jack), SUSTAIN
Power Source	AC Adapter (12V, sold separately) or 6 "AA" Batteries
Item Weight	22 Pounds (approx. 9.98 kg)
Item Dimensions (L x W x H)	41.34 x 19.69 x 8.54 inches (approx. 105 x 50 x 21.7 cm)

10. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 10.1: An overview of the Yamaha PSRE443 61-Key Portable Keyboard, highlighting its versatile features, extensive voice library, and real-time controls.

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The Yamaha PSRE443 Portable Keyboard comes with a limited 1-year warranty covering parts and labor. Please retain your proof of purchase for warranty claims.

11.2 Customer Support

For further assistance, technical support, or to download the full owner's manual, please visit the official Yamaha website or contact Yamaha customer service.