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Yamaha P-45B

Yamaha P-45 Digital Piano User Manual

MODEL: P-45B

1. Introduction

The Yamaha P-45 is a compact and portable digital piano designed for both beginners and experienced players. It features an 88-key Graded Hammer Standard (GHS) keyboard, providing a realistic acoustic piano feel where the keys are heavier in the low register and lighter in the high register. Its advanced Wave Memory (AWM) stereo sampling technology delivers rich, authentic piano sounds.

This manual provides essential information for setting up, operating, and maintaining your Yamaha P-45 digital piano, ensuring you get the most out of your instrument.

2. Product Overview

Familiarize yourself with the main components and features of your P-45 digital piano.



The Yamaha P-45 digital piano, showcasing its full 88-key keyboard and compact design.

2.1 Rear Panel Connections

The rear panel houses all necessary input and output ports for power, pedals, and external devices.



The back panel of the P-45, featuring ports for power, sustain pedal, headphones, and USB to Host for MIDI connectivity.

2.2 Connectivity Diagram

Understand how to connect your P-45 to various devices.

WEIGHT AND DIMENSIONS

HEIGHT:

154 mm (6")

**With Music Rest
325 mm (12-3/4")**



WIDTH:

1,326 mm (52-1/4")

DEPTH:

295 mm (11-1/2")

With Music Rest 387 mm (15-1/4")



(25lbs., 4oz)

A visual guide to connecting the P-45, including headphones, foot pedal, and USB to a PC or smart device for MIDI.

2.3 Dimensions and Weight

The P-45 is designed to be compact and relatively lightweight for easy transport and placement.

CONNECTIVITY

HEADPHONES



PHONES

FOOT PEDAL



SUSTAIN



USB TO HOST



PC



SMART DEVICE

Detailed measurements of the P-45, showing its height (154 mm), width (1326 mm), and depth (295 mm), along with its weight of 11.5 kg.

2.4 Model Comparison (P-45 vs. P-145)

For reference, here is a comparison of the P-45 with a newer model, the P-145, highlighting key feature differences.

Yamaha P-45 vs. P-145 Feature Comparison

Feature	P-45	P-145
Keyboard	GHS Keyboard	GHC Keyboard
Pedal Options	Single Pedal	3 Pedal Unit (LP-5A)
Piano Sound	AWM Stereo Sampling	CFIIIS, Damper Resonance
Songs	N/A	20 Songs + 303 Lessons
USB Connectivity	MIDI	Audio

Feature	P-45	P-145
Speaker System	6W x 2	7W x 2
Size (Width)	132.6 cm	132.6 cm
Size (Height)	15.4 cm	12.9 cm
Size (Depth)	29.5 cm	26.8 cm
Compatible Apps	N/A	Smart Pianist, Rec'n'Share
Additional Benefits	N/A	3 Months Flowkey Premium, 2 Free Online Lessons

3. Setup

Follow these steps to set up your Yamaha P-45 digital piano.

- Unboxing and Placement:** Carefully remove the piano from its packaging. Place the instrument on a stable, flat surface or a compatible keyboard stand. Ensure there is adequate space around the piano for comfortable playing and connections.
- Power Connection:** Connect the supplied AC power adapter to the DC IN jack on the rear panel of the piano. Plug the other end of the adapter into a standard electrical outlet.
- Sustain Pedal Connection:** Connect the included sustain pedal to the SUSTAIN jack on the rear panel. This pedal allows you to sustain notes, similar to an acoustic piano.
- Headphone Connection (Optional):** For private practice, connect a pair of stereo headphones to the PHONES/OUTPUT jack on the rear panel. When headphones are connected, sound will not be output from the built-in speakers.
- USB MIDI Connection (Optional):** To connect the P-45 to a computer or smart device for MIDI applications, use a standard USB cable (Type A to Type B) and connect it to the USB TO HOST terminal on the rear panel.

4. Basic Operation

4.1 Power On/Off

- To turn on the power, press the **[POWER]** button located on the left side of the control panel.
- To turn off the power, press and hold the **[POWER]** button for a few seconds until the instrument shuts down.

4.2 Volume Control

Adjust the overall volume using the **[VOLUME]** slider or knob, typically located near the power button. Slide it up to increase volume and down to decrease it.

4.3 Sound Selection (Voices)

The P-45 offers a selection of instrument voices. To change the voice:

- Press and hold the **[FUNCTION]** button.
- While holding **[FUNCTION]**, press one of the keys corresponding to the desired voice. For example, to select the Grand Piano voice, hold **[FUNCTION]** and press the A0 key (the lowest A on the keyboard). Refer to the instrument's panel markings or the full owner's manual for a complete list of voice assignments.

4.4 Metronome Function

The built-in metronome is useful for practicing with accurate timing.

- To turn the metronome on or off, press and hold the **[FUNCTION]** button and press the C2 key (the second C from the left).
- To adjust the tempo, press and hold **[FUNCTION]** and use the F#2 and G2 keys to decrease or increase the tempo, respectively.

4.5 Touch Sensitivity

The P-45 allows you to adjust the keyboard's touch sensitivity to match your playing style.

- Press and hold the **[FUNCTION]** button.
- While holding **[FUNCTION]**, press the F#0, G#0, or A#0 key to select a different touch sensitivity setting (e.g., Hard, Medium, Soft, Fixed).

5. Advanced Features

5.1 AWM Stereo Sampling

The P-45 utilizes Yamaha's Advanced Wave Memory (AWM) stereo sampling technology to create its rich and realistic instrument sounds. This technology records multiple samples of an instrument at different velocities and dynamics, providing a nuanced and expressive playing experience.

5.2 Polyphony

The P-45 features 64-note polyphony, meaning it can play up to 64 notes simultaneously. This ensures that even complex musical passages with sustained notes will sound full and complete without notes cutting off prematurely.

5.3 MIDI Connectivity

The USB TO HOST terminal allows the P-45 to function as a MIDI controller. You can connect it to a computer or smart device to interact with music software, record performances, or use the piano with virtual instrument plugins.

6. Maintenance

Proper care will extend the life and performance of your digital piano.

- **Cleaning:** Wipe the instrument's surface and keys with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and then wipe dry immediately. Avoid using abrasive cleaners, solvents, or chemical wipes, as these can damage the finish.
- **Storage:** When not in use, cover the piano with a dust cover to protect it from dust and debris. Store the instrument in a location away from direct sunlight, extreme temperatures, and high humidity, which can affect its electronic components and key action.
- **Transportation:** When moving the piano, ensure it is powered off and all cables are disconnected. Use appropriate carrying cases or packaging to prevent damage during transport.

7. Troubleshooting

If you encounter issues with your P-45, refer to the following common troubleshooting tips:

- **No Sound:**
 - Ensure the power adapter is securely connected and the piano is turned on.
 - Check the volume level. Increase it using the **[VOLUME]** slider.
 - If headphones are connected, disconnect them to hear sound from the speakers. If sound is heard through headphones but not speakers, there might be an issue with the speakers or the headphone jack.
 - Verify that a voice is selected and not set to a silent option.

- **Distorted or Low Sound:**

- Adjust the volume to an appropriate level. Very high volume can cause distortion.
- Ensure the power adapter is the correct one supplied with the instrument.

- **Keys Not Responding:**

- Check for any foreign objects or debris lodged between the keys.
- If only specific keys are affected, contact Yamaha customer support.

- **Metronome Not Working:**

- Ensure the metronome is turned on (refer to section 4.4).
- Check the metronome volume setting.

If these steps do not resolve the issue, please contact Yamaha customer support for further assistance.

8. Specifications

Detailed technical specifications for the Yamaha P-45 digital piano.

Feature	Detail
Model Name	P-45
Item Model Number	P-45B
Brand	Yamaha
Instrument Type	Digital Piano
Number of Keys	88
Keyboard Type	Graded Hammer Standard (GHS)
Finish Type	Matte
Color	Black
Material Type	Plastic
Product Dimensions (L x W x H)	132.6 x 29.5 x 15.4 cm (52.2 x 11.6 x 6.1 inches)
Item Weight	11.5 Kilograms (25.35 lbs)
Number of Speakers	2
Wattage	12 Watts
Power Source	Electrical Cord
Headphone Jack	6.35 mm Jack
Connectivity Technology	USB
Connector Type	MIDI USB
Skill Level	Beginner
Special Feature	Lightweight

Feature	Detail
Country of Origin	China
ASIN	B00UBJ4L32

9. Warranty and Support

For detailed information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Yamaha website. Yamaha provides comprehensive customer support for all its products.

If you require technical assistance, have questions about your product, or need to arrange for service, please contact Yamaha customer support through their official website or the contact information provided in your product documentation.