

JBSYSTEMS PPC-081 (Model 011/8612)

JB Systems PPC-081 Adjustable Height Column Sound System

User Manual

Introduction
Operating
Instructions

Safety Information
Maintenance

Package
Contents
Troubleshooting

Product
Overview
Specifications

Setup
Warranty &
Support

1. INTRODUCTION

Welcome to the user manual for the JB Systems PPC-081 Adjustable Height Column Sound System. This versatile PA system is designed for various audio applications, featuring an 8-inch woofer for deep bass, a built-in media player, and Bluetooth connectivity. Its modular design allows for three different height configurations, making it adaptable to your specific needs. Please read this manual thoroughly before operating the device to ensure proper use and to prevent damage.

2. SAFETY INFORMATION

Always observe the following basic safety precautions when using this product:

- Read all instructions carefully before use.
- Keep this manual for future reference.
- Do not expose the unit to rain or moisture to prevent fire or electric shock.
- Ensure the power supply matches the voltage requirements specified on the unit.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Place the unit on a stable, level surface to prevent tipping.
- Avoid blocking ventilation openings. Ensure adequate airflow around the unit.
- Disconnect the power cord during lightning storms or when unused for long periods.
- Do not place objects filled with liquids, such as vases, on the apparatus.
- Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

3. PACKAGE CONTENTS

The JB Systems PPC-081 package includes the following components:

- 1 x Main Subwoofer Unit (with integrated amplifier and media player)
- 2 x Modular Column Speaker Segments
- 1 x Top Column Speaker Segment
- 1 x Power Cable (IEC)
- Microphone Cables (if included in specific bundle)
- 1 x Stereo Mini Jack Cable
- User Manual

4. PRODUCT OVERVIEW

The PPC-081 system is comprised of a main subwoofer unit and modular column speaker segments, designed for flexible setup and powerful sound delivery.

4.1 Main Unit (Subwoofer)





The main unit houses the 8-inch woofer, amplifier, and control panel, forming the base of the system.





Rear view of the main unit, showing the control panel and power input.

4.2 Column Speaker Segments



The system includes multiple modular column speaker segments that can be stacked to achieve different heights.



Detail of the connection point for the column speaker segments, ensuring secure assembly.

4.3 Control Panel



Close-up of the control panel, featuring inputs, level controls, and media player interface.

The control panel provides access to all system functions:

- **Media Player:** Supports USB and SD-HC cards (up to 32GB) for MP3, WAV, WMA, APE, and FLAC playback. Includes Bluetooth connectivity for wireless audio streaming.
- **Master Volume:** Overall volume control for the system.
- **Sub Level:** Independent bass level control for the 8-inch woofer.
- **Microphone Inputs (MIC/LINE 1 & 2):** Two combo XLR/Jack inputs with individual level controls and built-in sound effects. Can also be used as mono line inputs.
- **Line Input (LINE IN):** Stereo mini jack input for connecting external audio players.
- **Line Out (LINE OUT):** Balanced XLR output for connecting additional speakers or audio devices.
- **Effect Controls:** Adjustments for built-in audio effects.
- **Power Limit Indicator:** LED indicator for system power status.

5. SETUP

5.1 Assembly

The PPC-081 system offers modular assembly for adjustable height:

Step 1: Position the Main Unit

Place the main subwoofer unit on a stable, flat surface where you intend to use the system.

Step 2: Assemble Column Speakers

Choose your desired height configuration by stacking the modular column speaker segments:

- **Low Height (920mm):** Attach only the top column speaker segment directly to the main unit.
- **Medium Height (1390mm):** Attach one modular column segment, then the top column speaker segment.
- **Maximum Height (1860mm):** Attach both modular column segments, then the top column speaker segment.



The system assembled with one column segment for a compact setup.







The system assembled with two column segments for medium height.





The system fully assembled with all column segments for maximum height.

Step 3: Connect Power

Connect the supplied power cable to the IEC power inlet on the rear of the main unit, then plug it into a suitable AC outlet (100-240V, 50/60Hz).

5.2 Connections

Microphone Connections

Connect microphones to the MIC/LINE 1 or MIC/LINE 2 combo inputs using XLR or 1/4" Jack cables. Adjust individual level controls as needed.

Line Input Connections

For external audio sources like smartphones or laptops, use the stereo mini jack input (LINE IN). For other line-level devices, use the RCA inputs.

External Speaker Connection (Line Out)

To connect additional powered speakers or audio equipment, use the balanced XLR Line Out.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the POWER switch on the rear panel to turn the unit ON or OFF. The Power Limit indicator will illuminate when the unit is on.

6.2 Media Player Operation

USB/SD-HC Playback

Insert a USB drive or SD-HC card (up to 32GB) containing MP3, WAV, WMA, APE, or FLAC files into the

respective slot. The media player will automatically detect and begin playback. Use the media player controls (Play/Pause, Next, Previous, Mode) to navigate.

Bluetooth Pairing

1. Press the MODE button on the media player until 'Bluetooth' mode is selected.
2. On your Bluetooth-enabled device (smartphone, tablet), search for available devices.
3. Select 'PPC-081' from the list to pair. Once paired, you can stream audio wirelessly.

Bluetooth TWS (True Wireless Stereo): If you have two PPC-081 units, you can link them wirelessly for stereo sound. Refer to the specific TWS pairing instructions in the full manual (if available) or on the manufacturer's website.

6.3 Adjusting Levels

- **Master Level:** Use the MASTER knob to control the overall output volume of the system.
- **Sub Level:** Adjust the SUB LEVEL knob to control the bass intensity from the 8-inch woofer.
- **MIC/LINE Levels:** Use the individual LEVEL knobs for MIC/LINE 1 and MIC/LINE 2 to adjust the volume of connected microphones or line-level devices.

6.4 Using Microphone Inputs

After connecting your microphone, adjust its individual level knob. Experiment with the built-in effect controls (EFFECT 1, EFFECT 2, EFFECT 3) to add reverb or other enhancements to the microphone signal.

7. MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the system in a cool, dry place, away from direct sunlight and extreme temperatures. If disassembling, ensure all components are stored safely.
- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris to prevent overheating.

8. TROUBLESHOOTING

If you encounter issues with your PPC-081 system, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off; Outlet not working.	Check power cable connection; Ensure power switch is ON; Test outlet with another device.
No sound output	Master volume too low; Input level too low; Incorrect input selected; Speaker segments not properly connected.	Increase Master and input levels; Ensure correct input mode is selected; Re-check connections of column speakers to main unit.

Problem	Possible Cause	Solution
Bluetooth not pairing	Unit not in Bluetooth mode; Device too far; Bluetooth already connected to another device.	Ensure unit is in Bluetooth mode; Move device closer; Disconnect from other devices and try again.
Distorted sound	Input signal too high (clipping); Master volume too high; Damaged cable.	Reduce input level; Lower Master volume; Try a different cable.
Microphone not working	Microphone not connected; Microphone level too low; Faulty microphone.	Ensure microphone is securely connected; Increase MIC/LINE level; Test with a different microphone.

If the problem persists after trying these solutions, please contact JB Systems customer support or your local dealer for assistance.

9. SPECIFICATIONS

Detailed technical specifications for the JB Systems PPC-081:

Feature	Specification
Model Number	011/8612
Woofer Diameter	8 inches
RMS Power per Channel	100 Watts (8 Ohm)
Frequency Range	45 Hz - 18000 Hz
Supported Audio Formats	MP3, WAV, WMA, APE, FLAC
Input Connections	XLR, RCA, 1/4" Jack, USB, Bluetooth, IEC (Power)
Output Connections	XLR (Line Out)
Power Consumption	100W
Power Supply	AC 100 - 240V, 50/60Hz
Dimensions (Max Height)	310 x 400 x 1860 mm (W x D x H)
Dimensions (Medium Height)	310 x 400 x 1390 mm (W x D x H)
Dimensions (Low Height)	310 x 400 x 920 mm (W x D x H)
Weight	13.8 kg
Wireless Technology	Bluetooth

Feature	Specification
Control Method	Tactile
Color	Black

10. WARRANTY & SUPPORT

This JB Systems PPC-081 product comes with a limited warranty. For detailed warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official JB Systems website. For technical support, service inquiries, or to find authorized service centers, please visit the official JB Systems website or contact your local dealer. Please have your product model number (PPC-081 / 011/8612) and purchase information ready when seeking support.