

**QFX PBX-412200BTD**

# **QFX PBX-412200BTD Battery Powered Bluetooth Karaoke PA Speaker User Manual**

Model: PBX-412200BTD

## **1. INTRODUCTION**

This manual provides essential instructions for the safe and efficient operation of your QFX PBX-412200BTD Battery Powered Bluetooth Karaoke PA Speaker. This speaker system is designed to deliver powerful sound with wireless Bluetooth streaming, featuring dual 12-inch woofers, two 1-inch tweeters, and a 9-inch LCD screen. It includes a microphone for karaoke functions and is equipped with a built-in 12V 12Ah rechargeable battery for portable use. Please read this manual thoroughly before using the product and retain it for future reference.







Figure 1: QFX PBX-412200BTD-R Speaker (Red model shown)

## 2. SAFETY INFORMATION

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Please observe the following safety precautions to prevent electric shock, fire, or injury.

- Do not expose this appliance to rain or moisture.
- Do not remove the cover or back of the unit. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Ensure proper ventilation around the unit. Do not block ventilation openings.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the appliance.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Clean only with a dry cloth.
- **WARNING:** Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). This warning is provided in compliance with California Proposition 65.

## 3. PACKAGE CONTENTS

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Carefully unpack your QFX PBX-412200BTD speaker and ensure all items listed below are present and in good condition.

- QFX PBX-412200BTD Speaker with Built-In Handle and Wheels
- Game Joysticks (2)
- Microphone
- Remote Control

- Rechargeable Battery (pre-installed)

## 4. PRODUCT FEATURES

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The QFX PBX-412200BTD offers a range of features for an enhanced audio experience:

- Integrated Disco Lights for party ambiance.
- Built-in FM Radio tuner.
- USB and SD card player for direct media playback.
- Dual 12-inch Woofers and two 1-inch Tweeters for powerful sound output.
- RCA input/output and Video output for versatile connectivity.
- Convenient Handle and Caster Wheels for easy transport.
- Includes Microphone, 2 Game Joysticks, and Remote Control.
- 9-inch LCD screen.
- Built-in 12V 12Ah rechargeable battery providing 2-3 hours playing time at 50% volume.

## 5. CONTROLS AND CONNECTIONS

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Familiarize yourself with the control panel and connection ports of your speaker.

### 5.1. Top Panel Controls (Example)

*(Image of top panel controls would be placed here, showing volume knobs, mode buttons, etc.)*

*Description: This image would display the main control panel located on the top of the speaker, highlighting buttons for Power, Mode selection (Bluetooth, FM, USB/SD, AUX), Play/Pause, Track Skip, Master Volume, Microphone Volume, Echo, and Bass/Treble controls.*

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Switches between Bluetooth, FM Radio, USB/SD, and AUX input modes.
- **Play/Pause Button:** Starts or pauses playback in Bluetooth, USB, or SD modes.
- **Previous/Next Buttons:** Skips to the previous or next track/station.
- **Master Volume Knob:** Adjusts the overall sound output level.
- **Mic Volume Knob:** Adjusts the microphone input volume.
- **Echo Knob:** Controls the echo effect for the microphone.
- **Bass/Treble Knobs:** Adjusts the low and high frequency response.

### 5.2. Rear Panel Connections (Example)

*(Image of rear panel connections would be placed here, showing input/output ports.)*

*Description: This image would illustrate the rear panel of the speaker, indicating ports such as USB, SD card slot, Microphone Input (6.3mm), AUX Input (RCA), RCA Audio Output, Video Output, and DC Power Input.*

- **USB Port:** For connecting USB flash drives.
- **SD Card Slot:** For inserting SD memory cards.
- **MIC Input:** 6.3mm jack for connecting the included microphone.
- **AUX Input (RCA):** For connecting external audio devices via RCA cables.
- **RCA Audio Output:** For connecting to another audio system.
- **Video Output:** For connecting to an external display to show video content from USB/SD or karaoke lyrics.
- **DC Power Input:** For connecting the power adapter to charge the battery or operate the unit.

## 6. SETUP

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### 6.1. Initial Charging

Before first use, fully charge the speaker's built-in battery.

1. Connect the provided power adapter to the DC Power Input port on the rear panel of the speaker.
2. Plug the adapter into a standard AC power outlet.
3. The charging indicator light (if present) will illuminate. Allow several hours for a full charge.
4. Once fully charged, the indicator light may change color or turn off. Disconnect the power adapter.

### 6.2. Positioning the Speaker

Place the speaker on a stable, flat surface. Utilize the built-in handle and caster wheels for easy relocation. Ensure adequate space around the speaker for ventilation.

## 7. OPERATING INSTRUCTIONS

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### 7.1. Powering On/Off

Press and hold the **Power Button** on the top panel to turn the speaker ON or OFF.

### 7.2. Bluetooth Mode

1. Turn on the speaker. The default mode is usually Bluetooth. If not, press the **Mode Button** until "Bluetooth" appears on the LCD screen.
2. On your mobile device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
3. Select "QFX PBX-412200BTD" (or similar name) from the list of devices.
4. Once paired, the speaker will emit an audible confirmation. You can now stream audio from your device.
5. Use the **Play/Pause** and **Previous/Next** buttons on the speaker or your device to control playback.

### 7.3. FM Radio Mode

1. Press the **Mode Button** until "FM" appears on the LCD screen.
2. Press the **Play/Pause Button** once to initiate an automatic scan for FM stations. The speaker will save all found stations.
3. Use the **Previous/Next Buttons** to navigate through the saved stations.

### 7.4. USB/SD Card Playback

1. Insert a USB flash drive into the **USB Port** or an SD card into the **SD Card Slot**.
2. The speaker should automatically switch to USB or SD mode and begin playing compatible audio files. If not, press the **Mode Button** to select the correct source.
3. Use the **Play/Pause** and **Previous/Next** buttons to control playback.
4. For video playback from USB/SD, connect the **Video Output** to an external display.

### 7.5. AUX Input

1. Connect an external audio device (e.g., MP3 player, laptop) to the **RCA AUX Input** using appropriate RCA cables.
2. Press the **Mode Button** until "AUX" appears on the LCD screen.
3. Control playback and volume from your external device.

### 7.6. Karaoke Function

1. Connect the included microphone to the **MIC Input** jack.

2. Play your desired karaoke track via Bluetooth, USB/SD, or AUX input.
3. Adjust the microphone volume using the **Mic Volume Knob**.
4. Adjust the echo effect using the **Echo Knob** for desired vocal enhancement.
5. For displaying lyrics, connect the **Video Output** to a compatible external display.

## 8. MAINTENANCE

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### 8.1. Cleaning

- Always unplug the speaker from the power outlet before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces of the speaker.
- Do not use liquid cleaners, aerosol sprays, or abrasive chemicals, as these may damage the finish or internal components.

### 8.2. Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Recharge the battery regularly, even if the speaker is not in use for extended periods (e.g., once every 3 months).
- Store the speaker in a cool, dry place when not in use.

## 9. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No power	Battery discharged; Power cable not connected.	Charge the battery; Ensure power cable is securely connected.
No sound	Volume too low; Incorrect mode selected; Device not paired (Bluetooth).	Increase master volume; Press Mode button to select correct input; Re-pair Bluetooth device.
Bluetooth not connecting	Speaker not in Bluetooth mode; Device too far; Interference.	Ensure speaker is in Bluetooth mode; Move device closer; Turn off other Bluetooth devices.
Microphone not working	Microphone not connected; Mic volume too low.	Ensure microphone is securely plugged in; Increase Mic Volume knob.
USB/SD playback issues	Incompatible file format; Corrupted media; Incorrect mode.	Ensure files are in supported format (e.g., MP3); Try a different USB/SD card; Select correct mode.

## 10. SPECIFICATIONS

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- **Model:** PBX-412200BTD
- **Product Dimensions:** 16.5 x 14.75 x 49.6 inches (41.9 x 37.5 x 126 cm)
- **Item Weight:** 69 pounds (31.3 kg)
- **Speaker Configuration:** Two 12-inch Woofers, Two 1-inch Tweeters
- **Power Source:** Battery Powered (Built-in 12V 12Ah rechargeable battery)
- **Battery Life:** Approximately 2-3 hours at 50% volume
- **Connectivity:** Bluetooth, USB, SD, FM Radio, RCA AUX Input, RCA Audio Output, Video Output, Microphone Input
- **Included Components:** Speaker, 2 Game Joysticks, Microphone, Remote Control, Rechargeable Battery
- **Manufacturer:** QFX USA

- **Date First Available:** July 29, 2016

## 11. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the warranty card included with your product or visit the official QFX website. Keep your purchase receipt as proof of purchase for any warranty claims.

**QFX Official Website:** While a direct link is not provided in this manual, you can typically find support information by searching for "QFX Electronics" online.

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