

## QFX BT-90

# QFX BT-90 Portable PA System User Manual

Model: BT-90

## INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your QFX BT-90 Portable PA System. Please read this manual thoroughly before using the device and retain it for future reference.

## IMPORTANT SAFETY INSTRUCTIONS

- Do not expose this appliance to rain or moisture.
- Do not block any ventilation openings.
- Use only attachments/accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel.
- Keep the unit away from direct sunlight and heat sources.

## PACKAGE CONTENTS

- QFX BT-90 Portable PA System Unit
- Headset Microphone
- Charging Cable

## PRODUCT OVERVIEW

- Bluetooth Connectivity
- FM Radio Function
- USB Input
- MicroSD Card Input
- Wired Microphone Input
- Portable Design with Rechargeable Battery



Image: The QFX BT-90 Portable PA System, a compact black unit featuring a front speaker grille, control buttons, a digital display, an extendable antenna, and a connected headset microphone. A USB drive is inserted into the USB port.

## SETUP GUIDE

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1. **Initial Charging:** Before first use, fully charge the device. Connect the charging cable to the unit's charging port and a suitable power source. The charging indicator will illuminate.
2. **Power On:** Locate the power switch, typically on the side or top panel. Slide or press it to the 'ON' position. The display should light up.
3. **Microphone Connection:** Insert the headset microphone's plug into the designated microphone input jack on the unit.

## OPERATING INSTRUCTIONS

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### 1. Bluetooth Mode

1. **Activate Bluetooth:** Power on the unit. Press the 'Mode' button until "Bluetooth" or a Bluetooth icon appears on the display. The unit will enter pairing mode, indicated by a flashing light or sound.
2. **Pairing:** On your mobile device (smartphone, laptop), enable Bluetooth and search for available

devices. Select "QFX BT-90" (or similar name) from the list.

3. **Connection:** Once paired, the unit will confirm the connection, and you can now play audio from your device through the PA system.

## 2. FM Radio Mode

1. **Enter FM Mode:** Press the 'Mode' button until "FM" or the radio frequency appears on the display.
2. **Auto Scan:** Press and hold the 'Play/Pause' button (or a dedicated scan button) to automatically scan and save available FM stations.
3. **Tune Stations:** Use the 'Previous' and 'Next' buttons to navigate through the saved stations.
4. **Antenna:** Extend the telescopic antenna for better FM reception.

## 3. USB/MicroSD Card Playback

1. **Insert Media:** Insert a USB flash drive or a MicroSD card (with pre-loaded audio files) into the respective port.
2. **Automatic Playback:** The unit should automatically detect the media and begin playing audio files. If not, press the 'Mode' button to select USB or SD mode.
3. **Controls:** Use the 'Play/Pause', 'Previous', and 'Next' buttons to control playback.

## 4. Microphone Usage

1. **Connect Microphone:** Ensure the headset microphone is securely plugged into the microphone input jack.
2. **Adjust Volume:** Use the dedicated microphone volume knob (if available) or the main volume control to adjust the microphone's output level.
3. **Positioning:** Position the headset microphone appropriately for clear voice pickup.

## 5. Volume Control

Rotate the main volume knob (usually a large dial) to increase or decrease the overall audio output level.

## CHARGING THE BATTERY

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The QFX BT-90 is equipped with a built-in rechargeable battery, allowing for portable use. To charge the unit:

1. Connect the provided charging cable to the DC IN port on the PA system.
2. Plug the other end of the charging cable into a standard wall outlet or a compatible USB power adapter.
3. The charging indicator light will illuminate, typically red, during charging. It may change color or turn off when fully charged.
4. A full charge typically takes approximately **3-5 hours**.

**Battery Life:** A fully charged battery provides approximately **12-18 hours** of operation in microphone mode and **8-12 hours** in musical mode, depending on the volume level used.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place. It is recommended to charge the battery periodically to maintain its lifespan.

- **Avoid Moisture:** Keep the device away from water and high humidity to prevent damage.

## TROUBLESHOOTING

Problem	Possible Solution
No power	Ensure the unit is charged. Check the power switch is in the 'ON' position.
No sound from speaker	Increase the volume. Check if the audio source (Bluetooth, USB, FM) is playing correctly. Ensure microphone is connected and its volume is up.
Bluetooth not connecting	Ensure the unit is in Bluetooth pairing mode. Turn off and on Bluetooth on your device. Move closer to the PA system.
Poor FM reception	Extend the telescopic antenna fully. Try repositioning the unit.
USB/MicroSD not playing	Ensure the media is inserted correctly. Check if audio files are in a supported format. Try a different USB drive or MicroSD card.

## SPECIFICATIONS

Model	BT-90
Brand	QFX
Output Power	RMS 100W
Frequency Response	180Hz-15kHz
Output Impedance	4 Ohm
Microphone Input Signal	-42dB 600 Ohm (Wired Microphone)
Microphone Sensitivity	-53dB
Battery Capacity	1200mAh
Charging Time	3-5 Hours
Battery Life (Microphone Mode)	12-18 Hours
Battery Life (Musical Mode)	8-12 Hours (depending on volume)
Connectivity Technology	Bluetooth, USB
Compatible Devices	Headset, Laptop, Smartphone
Power Source	Battery Powered, Corded Electric
UPC	606540033500
ASIN	B01MSM5JWH

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official QFX website. Keep your proof of purchase for warranty claims.

**Manufacturer:** QFX