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> Instruction Manual for QFX J-220BTTQ Aqua Turquoise Boombox MP3 Conversion from Radio to Cassette with 4-Band (AM, FM, SW1, SW2) Radio with Bluetooth, Dual 3" Speakers, Built-in Microphone, Recorder, and a 3-Band Equalizer

QFX J-220BTTQ

QFX J-220BTTQ Boombox Instruction Manual

Model: J-220BTTQ

1. INTRODUCTION

Thank you for purchasing the QFX J-220BTTQ Aqua Turquoise Boombox. This versatile audio system combines classic cassette playback with modern features like Bluetooth connectivity, USB/SD MP3 playback, and a 4-band radio. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

2. PRODUCT FEATURES

- **4-Band Radio:** AM, FM, SW1, and SW2 for wide-ranging radio reception.
- **Cassette Player/Recorder:** Play your vintage cassette tapes and record from radio or built-in microphone.
- **Bluetooth Connectivity:** Wirelessly stream music from compatible devices up to 30 feet away.
- **USB/SD MP3 Playback & Recording:** Play MP3 files from USB drives or SD cards, and convert cassette tapes to digital MP3 format.
- **Built-in Microphone:** For voice recording onto cassette tapes or MP3 files.
- **3-Band Graphic Equalizer:** Adjust bass, middle, and treble for personalized sound.
- **Dual Power Options:** Operates on AC power or 4 x "D" cell batteries (not included) for portability.
- **Dual 3-inch Speakers:** Provides clear audio output.

3. PACKAGE CONTENTS

Please check the package for the following items:

- QFX J-220BTTQ Boombox
- AC Power Cord
- Instruction Manual (this document)

4. CONTROLS AND COMPONENTS



Figure 4.1: Front View of the QFX J-220BTTQ Boombox. This image displays the front panel of the boombox, highlighting the cassette deck, dual speakers, USB and SD card slots, and the radio tuning display.

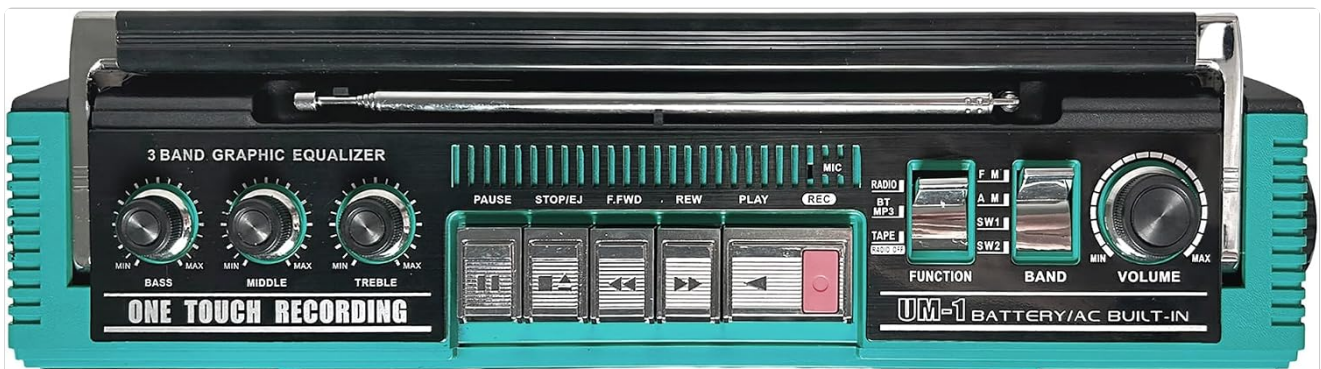


Figure 4.2: Top View of the QFX J-220BTTQ Boombox. This image shows the top panel, featuring the 3-band graphic equalizer controls (Bass, Middle, Treble), cassette player buttons (Pause, Stop/Eject, Fast Forward, Rewind, Play, Record), function selector, band selector, and volume knob.

1. **Power Button:** Turns the unit on/off.
2. **Function Selector:** Switches between Radio, BT (Bluetooth), MP3 (USB/SD), and Tape modes.
3. **Band Selector:** Selects AM, FM, SW1, or SW2 radio bands.
4. **Tuning Knob:** Adjusts radio frequency.
5. **Volume Knob:** Controls audio output level.
6. **Equalizer Knobs (Bass, Middle, Treble):** Adjusts sound frequencies.

7. **Cassette Deck Controls:** Play, Record, Fast Forward, Rewind, Stop/Eject, Pause.
8. **USB Port:** For USB flash drives.
9. **SD Card Slot:** For SD memory cards.
10. **Built-in Microphone:** For recording.
11. **AC Power Input:** Connects to the AC power cord.
12. **Battery Compartment:** Holds 4 x "D" cell batteries.

5. SETUP

5.1 Powering the Unit

The J-220BTTQ can be powered by either AC power or batteries.

AC Power Operation:

1. Ensure the unit is turned off.
2. Insert the AC power cord into the AC input jack on the back of the unit.
3. Plug the other end of the AC power cord into a standard wall outlet (AC 120V ~ 60Hz).

Battery Operation:

1. Ensure the unit is turned off and disconnected from AC power.
2. Open the battery compartment cover located on the bottom of the unit.
3. Insert 4 x "D" cell batteries (not included), ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

Note: Remove batteries if the unit will not be used for an extended period to prevent leakage.

6. OPERATING INSTRUCTIONS

6.1 Radio Operation

1. Turn on the unit using the Power button.
2. Set the Function Selector to "RADIO".
3. Select the desired band (AM, FM, SW1, SW2) using the Band Selector.
4. Extend the telescopic antenna for better FM/SW reception. For AM, rotate the unit for optimal reception.
5. Rotate the Tuning Knob to find your desired radio station.
6. Adjust the Volume Knob to your preferred listening level.

6.2 Cassette Player Operation

1. Turn on the unit.
2. Set the Function Selector to "TAPE".
3. Press the "STOP/EJECT" button to open the cassette door.
4. Insert a cassette tape with the open edge facing upwards.
5. Close the cassette door.
6. Press the "PLAY" button to start playback.
7. Use "FAST FORWARD" or "REWIND" to navigate the tape.
8. Press "PAUSE" to temporarily stop playback. Press again to resume.
9. Press "STOP/EJECT" to stop playback and eject the tape.

6.3 Cassette Recording

Recording from Radio:

1. Insert a blank cassette tape into the cassette deck.
2. Set the Function Selector to "RADIO" and tune to your desired station.
3. Press the "RECORD" button (this will also engage "PLAY"). Recording will begin.
4. Press "STOP/EJECT" to stop recording.

Recording from Built-in Microphone:

1. Insert a blank cassette tape into the cassette deck.
2. Set the Function Selector to "TAPE".
3. Press the "RECORD" button. The built-in microphone will activate, and recording will begin.
4. Speak clearly into the microphone.
5. Press "STOP/EJECT" to stop recording.

6.4 Bluetooth Operation

1. Turn on the unit.
2. Set the Function Selector to "BT" (Bluetooth). The unit will enter pairing mode, indicated by a flashing Bluetooth indicator.
3. On your Bluetooth-enabled device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
4. Select "QFX J-220BT" from the list of devices.
5. Once paired, the Bluetooth indicator will become solid. You can now play music from your device, and it will stream through the boombox.
6. Control playback (play/pause, next/previous track) from your connected device.

Note: Bluetooth range is approximately 30 feet (10 meters). Obstacles may reduce range.

6.5 USB/SD MP3 Playback

1. Turn on the unit.
2. Insert a USB flash drive into the USB port or an SD card into the SD card slot. Ensure the card is inserted correctly.
3. Set the Function Selector to "MP3". The unit will automatically detect and begin playing MP3 files from the inserted media.
4. Use the playback controls (Play/Pause, Next, Previous) on the unit to navigate tracks.

6.6 MP3 Conversion (Cassette to USB/SD)

The J-220BTTQ allows you to convert your cassette tapes into digital MP3 files on a USB drive or SD card.

1. Insert a USB flash drive or SD card into its respective slot. Ensure there is sufficient free space.
2. Insert the cassette tape you wish to convert into the cassette deck.
3. Set the Function Selector to "TAPE".
4. Press the "PLAY" button on the cassette deck.
5. While the tape is playing, press the "REC/MP3 REC" button. The unit will begin recording the audio from the cassette directly to the USB drive/SD card as an MP3 file.
6. Press "STOP/EJECT" on the cassette deck to stop the recording process. The MP3 file will be saved.

Note: Each press of the "REC/MP3 REC" button will create a new MP3 file.

6.7 Using the Equalizer

The 3-band graphic equalizer allows you to fine-tune the audio output:

- **BASS:** Adjusts low frequencies. Turn clockwise for more bass, counter-clockwise for less.
- **MIDDLE:** Adjusts mid-range frequencies.
- **TREBLE:** Adjusts high frequencies. Turn clockwise for more treble, counter-clockwise for less.

Adjust these knobs to suit your personal preference and the type of music being played.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Cassette Head Cleaning:** Periodically clean the cassette heads, pinch roller, and capstan with a cotton swab lightly dampened with isopropyl alcohol to ensure optimal sound quality and prevent tape damage.
- **Storage:** When not in use, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Remove batteries if the unit will not be used for extended periods to prevent corrosion.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Batteries drained or incorrectly inserted.	Check AC cord connection; Replace batteries or check polarity.
No sound from radio/cassette/USB/BT	Volume too low; Incorrect function selected; Tape/USB/SD not inserted correctly.	Increase volume; Select correct function; Re-insert media.
Poor radio reception	Antenna not extended; Weak signal.	Extend telescopic antenna; Rotate unit for AM; Try different location.
Bluetooth not pairing	Unit not in BT mode; Device too far; Bluetooth not enabled on device.	Set function to BT; Move device closer; Enable Bluetooth on your device and re-scan.
Cassette playback distorted or muffled	Tape heads dirty; Worn tape.	Clean tape heads; Try a different tape.

9. SPECIFICATIONS

Feature	Detail
Model	J-220BTTQ
Brand	QFX
Power Source	AC 120V ~ 60Hz or 4 x "D" Cell Batteries
Radio Bands	AM, FM, SW1, SW2

Feature	Detail
Speaker Size	2 x 3-inch
Supported Audio Formats	MP3 (USB/SD)
Dimensions (L x W x H)	35.51 x 9.7 x 18.21 cm
Weight	1.9 kg

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official QFX website. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: QFX

Model Number: J-220BTTQ