**QFX FX-181**

# QFX FX-181 Bluetooth Car Stereo

INSTRUCTION MANUAL

## 1. Product Overview

The QFX FX-181 is an in-dash car stereo receiver featuring Bluetooth connectivity, AM/FM radio, and USB/SD card playback capabilities. It is designed to enhance your vehicle's audio system with versatile media options and hands-free communication.

**Key Features:**

- Fixed panel receiver with built-in Bluetooth.
- Supports USB, SD, MMC, and MP3 playback with ID3 TAG display.
- AM/FM tuner with 30 radio preset stations.
- Jazz/Pop/Rock/Classic EQ presets.
- Treble, bass, balance, and fader controls.
- LCD display with real-time clock and 3-color lighting illumination.
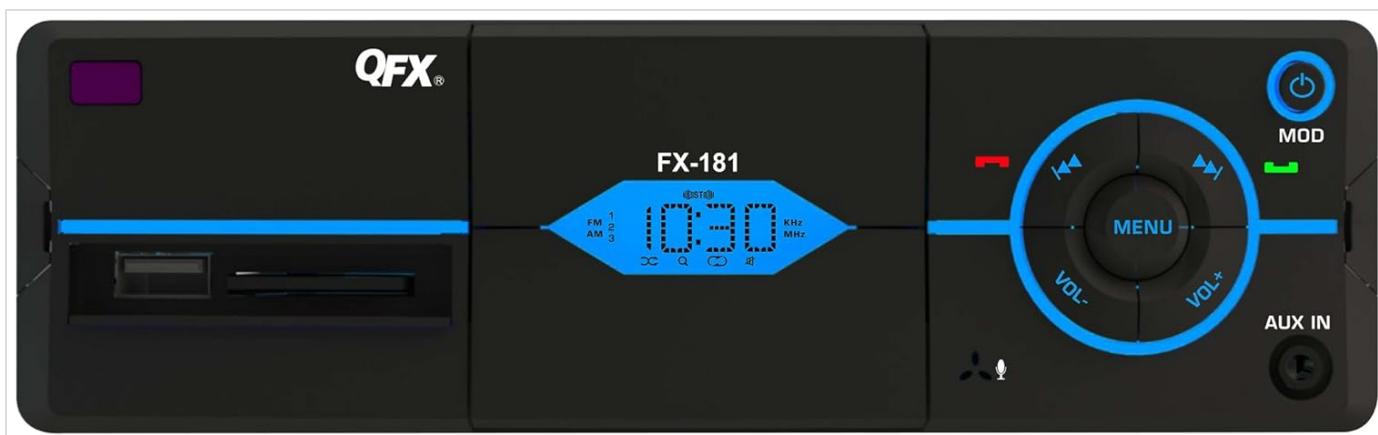- Software upgrade via SD card.



Figure 1.1: Front panel of the QFX FX-181 Car Stereo, showing the display, control buttons, USB port, and SD card slot.

## 2. Setup and Installation

Proper installation is crucial for optimal performance. If you are unsure about any steps, consult a professional car audio

installer.

## 2.1 Wiring Connections

Connect the wiring harness according to your vehicle's specifications. Ensure all connections are secure to prevent short circuits or malfunctions.

- **Yellow Wire:** Connect to constant 12V power supply.
- **Red Wire:** Connect to accessory 12V power supply (switched with ignition).
- **Black Wire:** Connect to vehicle ground.
- **Speaker Wires:** Connect to appropriate positive (+) and negative (-) terminals of your vehicle's speakers. Ensure correct polarity.
- **Antenna Wire:** Connect to the vehicle's AM/FM antenna.

## 2.2 Mounting the Unit

Install the stereo into the vehicle's dashboard opening using the provided mounting hardware. Secure the unit firmly to prevent movement.

## 2.3 Phone Holder (Optional)

The unit may include a phone holder for convenient smartphone placement. Attach the holder to the designated slot on the stereo's front panel, if available, ensuring it is stable before placing a device.



Figure 2.1: The QFX FX-181 Car Stereo shown with an optional phone holder. The phone holder is not included with the stereo unit.

# 3. Operating Instructions

### 3.1 Power On/Off

- Press the **Power/Mode** button (usually labeled with a power symbol and 'MOD') to turn the unit on or off.

### 3.2 Mode Selection

- Press the **MOD** button repeatedly to cycle through available modes: FM, AM, Bluetooth, USB, SD, AUX.

### 3.3 Volume Control

- Rotate the **VOL+** or **VOL-** knob (or press corresponding buttons) to adjust the audio volume.

## 3.4 Radio Operation (AM/FM)

- In FM/AM mode, press the **Seek** buttons (usually labeled with arrows) to automatically search for the next strong station.
- To manually tune, press and hold the **Seek** buttons.
- To save a station as a preset, tune to the desired station, then press and hold one of the numeric preset buttons (1-6) until you hear a beep.
- To recall a preset station, briefly press the corresponding numeric preset button.

## 3.5 Bluetooth Operation

- **Pairing:** Select Bluetooth mode. On your mobile device, search for Bluetooth devices and select "FX-181" (or similar name). Enter PIN "0000" if prompted.
- **Audio Streaming:** Once paired, audio from your device will stream to the stereo. Use the **Skip** buttons on the stereo to control playback (next/previous track).
- **Hands-Free Calling:** When a call comes in, the stereo will display the caller ID. Press the **Answer** button (often the 'Menu' or 'Mode' button during a call) to answer. Press again to end the call.

## 3.6 USB/SD Playback

- Insert a USB drive into the USB port or an SD card into the SD card slot. The unit will automatically switch to USB/SD mode and begin playback.
- Use the **Skip** buttons to navigate tracks.
- Press the **Menu** button to access playback options such as folder navigation or repeat modes.

## 3.7 Auxiliary Input (AUX IN)

- Connect an external audio device (e.g., MP3 player, smartphone) to the **AUX IN** jack using a 3.5mm audio cable.
- Select AUX mode using the **MOD** button. Audio will play from the connected device.

## 3.8 Audio Settings

- Press the **MENU** button to access audio settings. Rotate the volume knob to navigate options like BASS, TREBLE, BALANCE, FADER, and EQ presets (Jazz, Pop, Rock, Classic). Press **MENU** again to select an option, then rotate the volume knob to adjust.

## 3.9 Clock Setting

- Press and hold the **MENU** button until the clock display flashes. Use the volume knob or seek buttons to adjust hours and minutes. Press **MENU** again to confirm.

# 4. Maintenance

## 4.1 Cleaning the Unit

- Use a soft, dry cloth to clean the front panel. Do not use abrasive cleaners or solvents.
- For stubborn dirt, lightly dampen the cloth with water.

## 4.2 General Care

- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Ensure proper ventilation around the unit to prevent overheating.

# 5. Troubleshooting

If you encounter issues with your QFX FX-181, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| No power | Incorrect wiring; blown fuse; vehicle ignition off. | Check power and ground connections. Verify vehicle fuse and stereo fuse. Ensure ignition is on. |
| No sound | Volume too low; speaker wires disconnected; incorrect audio source. | Increase volume. Check speaker wire connections. Select correct input mode (FM, BT, USB, AUX). |
| Bluetooth not connecting | Device not in pairing mode; incorrect pairing code; interference. | Ensure stereo is in Bluetooth mode. Make sure your device's Bluetooth is on and discoverable. Try re-pairing. Move closer to the unit. |
| Radio stations not picked up or poor reception | Antenna not connected; weak signal; antenna damaged. | Check antenna connection. Try manual tuning. Ensure antenna is fully extended (if applicable). |
| USB/SD not playing | Unsupported file format; corrupted media; incorrect insertion. | Ensure files are MP3 format. Try a different USB drive/SD card. Reinsert media correctly. |
| Unit changes inputs by itself | Internal malfunction; button stuck. | Perform a reset (if available, usually a small pinhole button). If issue persists, contact support. |

If problems persist after attempting these solutions, contact QFX customer support for further assistance.

# 6. Specifications

| Feature | Specification |
|---|---|
| Model Number | FX-181 |
| Wireless Communication Technology | Bluetooth |
| Connectivity Technology | Bluetooth, USB, SD, AUX |
| Special Features | Equalizer (Jazz/Pop/Rock/Classic presets) |
| Display Technology | LCD |
| Controller Type | Push Button |
| Compatible Devices | Speakers, Smartphone |
| Product Dimensions | 18.54 x 5.84 x 15.24 cm |
| Product Weight | 703 g |

# 7. Warranty and Support

For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your

product or visit the official QFX website. Keep your proof of purchase for warranty claims.

If you require technical assistance, troubleshooting beyond this manual, or have questions about your QFX FX-181 Car Stereo, please contact QFX customer support through their official channels.