

ILOKEY BC43

ILOKEY Bluetooth FM Transmitter User Manual

Model: BC43

Brand: ILOKEY

1. SAFETY INFORMATION

Please read and understand all safety instructions before using this device. Failure to follow these instructions may result in injury or damage.

- Ensure the device is kept in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not dispose of batteries in fire.
- Keep the device away from water or moisture to prevent electric shock or damage.
- Do not attempt to open, disassemble, or modify the device casing. This will void the warranty and may cause harm.
- Use only approved power sources and accessories with this device.
- To avoid interference with other wireless devices, select an FM frequency that is not in use by local radio stations.
- Do not operate the device while driving if it distracts you from the road. Prioritize safe driving.

2. PRODUCT OVERVIEW

The ILOKEY BC43 Bluetooth FM Transmitter is designed to enhance your in-car audio experience, offering wireless music streaming, hands-free calling, and fast charging capabilities. It features a 1.5-inch color screen for clear information display and a flexible neck for optimal positioning.

Key Features:

- 1.5-inch Color Screen Display with 180-degree rotatable neck for wide viewing.
- Visually displays Caller ID, music lyrics, sound adjustment, and real-time voltage information.
- Supports U-Disk and TF card for music playback with synchronized lyrics display.
- Customizable sound with bass and treble adjustment.
- Equipped with 48W PD/QC3.0 dual USB charging ports for fast charging.

- Built-in microphone with CVC intelligent noise reduction for clear hands-free calls.
- Supports Siri or Voice Assistant activation.
- Compatible with mainstream 12V-24V cars and various music/map applications.



Figure 2.1: ILOKEY BC43 Bluetooth FM Transmitter with flexible neck and charging ports.



Figure 2.2: Close-up view of the ILOKEY BC43's HD colorful screen displaying FM frequency and audio levels.

3. SETUP

Follow these steps to set up your ILOKEY BC43 FM Transmitter:

1. **Plug In:** Insert the FM transmitter into your car's 12V/24V cigarette lighter socket. The device will power on automatically and display the current car battery voltage.
2. **Set FM Frequency:**
 - Tune your car's FM radio to an empty frequency (one with no strong broadcast signal).
 - On the FM transmitter, press the "CH-" or "CH+" buttons to adjust the FM frequency to match your car's radio. Long press the "CH" button to enter frequency adjustment mode, then use the rotary knob or "CH-"/"CH+" buttons to fine-tune.
3. **Bluetooth Pairing:**
 - The transmitter will automatically enter Bluetooth pairing mode. The screen will show "BT NOT LINK" or similar.
 - On your mobile device, enable Bluetooth and search for available devices. Select "BC43" (or "CAR KIT") from the list to connect.
 - Once successfully paired, the screen will show "BT LINK" and you will hear a confirmation tone.
4. **Audio Playback:**
 - You can now play music from your mobile device via Bluetooth, or insert a TF card/USB flash drive into the designated slots on the transmitter for direct playback.
 - Ensure your car's FM radio is tuned to the same frequency as the transmitter for audio output.

4. OPERATING INSTRUCTIONS

4.1 Music Playback

- **Bluetooth Mode:** Once paired, music from your phone will automatically stream to the transmitter. Use your phone or the transmitter's controls (play/pause, next/previous track) to manage playback.
- **TF Card/USB Drive Mode:** Insert a TF card or USB flash drive (up to 32GB) with MP3, WMA, WAV, APE, or FLAC audio files. The device will automatically detect and play music. Use the "MODE" button to switch between input sources.
- **Volume Adjustment:** Rotate the central knob to adjust the volume.
- **Sound Effects:** Press the "BASS" or "TRE" buttons to enhance bass or treble.

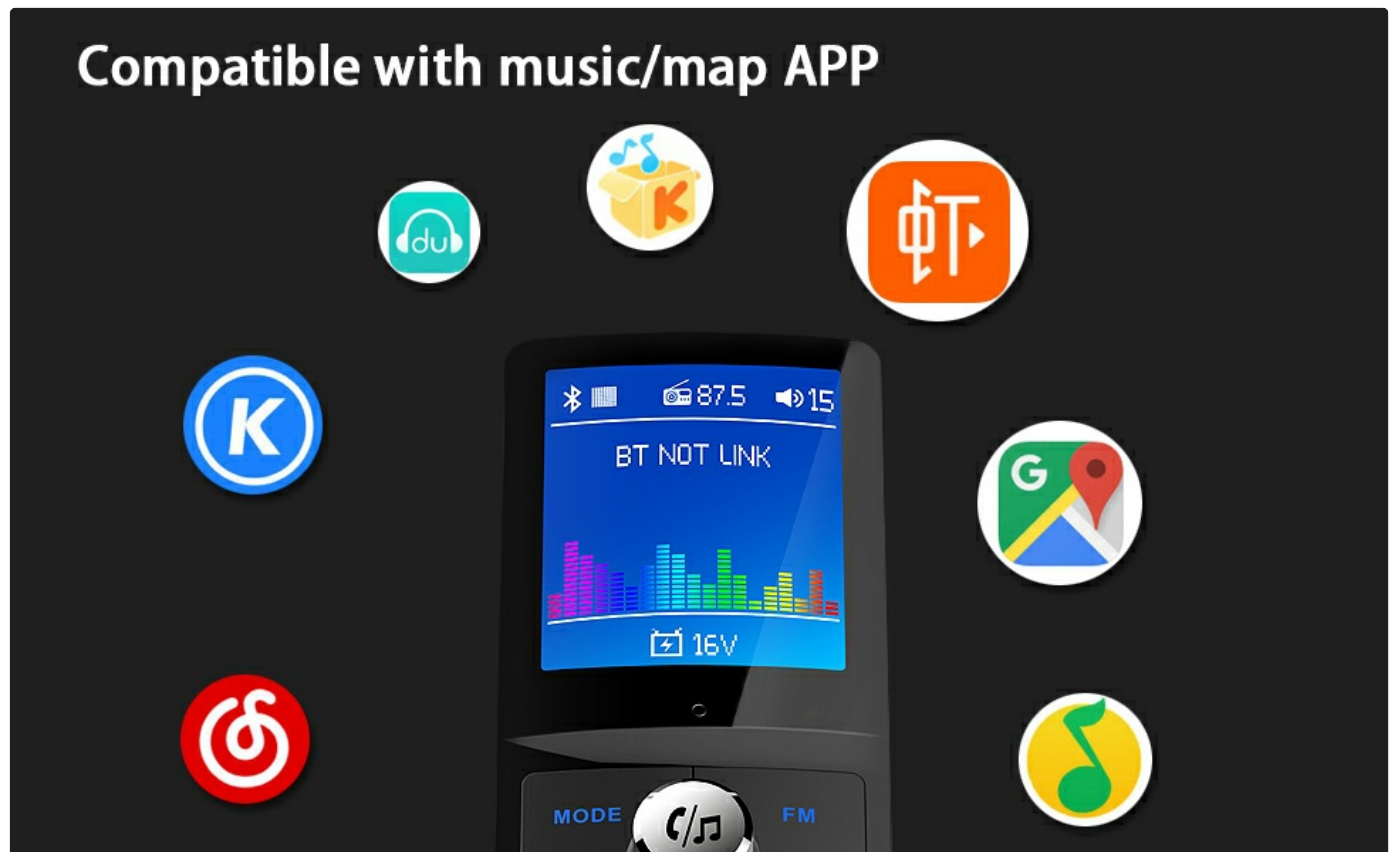


Figure 4.1: The transmitter supports both Bluetooth hands-free calling and direct music playback from TF cards or USB drives.

Monitor battery voltage in real time

Digital display screen, battery safety status at a glance



Figure 4.2: The HD colorful screen displays audio spectrum and supports lossless audio decoding for various file formats.

4.2 Hands-Free Calling

- **Answer/End Call:** Short press the central music/phone button (🎵/📞) to answer an incoming call or end an ongoing call.
- **Reject Call:** Long press the central music/phone button (🎵/📞) to reject an incoming call.
- **Redial:** Double-press the central music/phone button (🎵/📞) to redial the last number.

4.3 Voice Assistant (Siri/Google Assistant)

- After Bluetooth connection, press and hold the central music/phone button (🎵/📞) for 2 seconds to activate your phone's voice assistant (Siri or Google Assistant).
- Short press the button again to exit the voice assistant function.

Stable anti-vibration



Figure 4.3: Activating the voice assistant by pressing and holding the central button.

4.4 Charging Functions

- The device features dual USB charging ports: one PD (Power Delivery) port and one QC3.0 (Quick Charge 3.0) port.
- These ports support various fast charging protocols including QC 3.0, QC2.0, PD, Huawei FCP, Samsung AFC, and BC1.2.
- Connect your mobile device or other USB-powered gadgets to these ports for rapid charging.

Support folder song playback

Create folders for songs you and your family like, easily switch between different folders Enjoy high quality music



Figure 4.4: The dual USB ports provide fast charging for compatible devices.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ILOKEY BC43 FM Transmitter.

- **Cleaning:** Use a soft, dry cloth to wipe the device. Do not use liquid cleaners, aerosols, or harsh chemicals.
- **Storage:** When not in use for extended periods, unplug the device from the car's cigarette lighter and store it in a cool, dry place.
- **Avoid Impact:** Protect the device from drops and strong impacts, which can damage internal components or the screen.
- **Temperature:** Avoid exposing the device to extreme temperatures, both hot and cold, as this can affect battery life and electronic components.

6. TROUBLESHOOTING

If you encounter issues with your ILOKEY BC43 FM Transmitter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Screen off	Loose connection; Car cigarette lighter faulty; Device malfunction.	Ensure the device is firmly plugged in. Check if the car's cigarette lighter is working (try another device). If not, contact support.

Problem	Possible Cause	Solution
Poor sound quality/Static	FM frequency interference; Volume too low/high; Bluetooth connection issue.	Change to a different, unused FM frequency. Adjust volume on both transmitter and car radio. Re-pair Bluetooth.
Bluetooth not connecting	Device not in pairing mode; Phone Bluetooth off; Incorrect device selected.	Ensure transmitter is in pairing mode. Turn phone's Bluetooth off and on. Select "BC43" from your phone's Bluetooth list.
Cannot charge devices	Charging cable faulty; Device not compatible with fast charging; Transmitter not powered.	Try a different charging cable. Ensure the device is powered on. Check if your device supports the fast charging protocols.
Screen display issues	Software glitch; Physical damage.	Unplug and re-plug the device. If the issue persists or there's physical damage, contact support.

7. SPECIFICATIONS

Feature	Detail
Model Number	BC43
Display	1.5-inch Color Screen
Bluetooth Version	Bluetooth 5.3
FM Frequency Range	87.5 - 108.0 MHz
Input Voltage	DC 12V-24V
USB Output 1 (PD)	Power Delivery (PD) compatible, 48W total output (shared with QC3.0)
USB Output 2 (QC3.0)	Quick Charge 3.0 (QC3.0) compatible, 48W total output (shared with PD)
Supported Audio Formats	MP3, WMA, WAV, APE, FLAC
Storage Support	TF Card, USB Flash Drive (up to 32GB)
Microphone	Built-in with CVC Noise Reduction
Dimensions	5.51 x 3.74 x 2.09 inches (Package Dimensions)
Weight	4.6 ounces

Not all MP3 players are equipped with big color LCD

Using large color digital screen

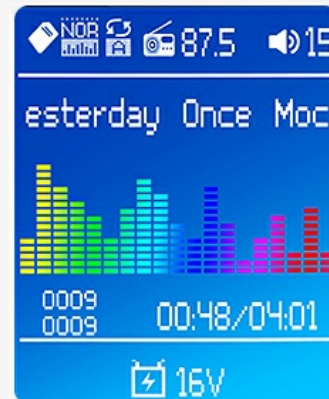
The picture is stable, no miscellaneous points the display is clear and intuitive



The first generation of
LED screen



The second generation of
monochrome screen



The new generation of
color screen

Figure 7.1: The device features an upgraded Bluetooth 5.3 chip for faster data transmission and stable signal.

8. WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the packaging or contact the retailer where the product was purchased.

For technical support, troubleshooting assistance, or any inquiries regarding your ILOKEY BC43 Bluetooth FM Transmitter, please contact ILOKEY customer service through their official website or the contact information provided with your purchase.

You can visit the [ILOKEY Store on Amazon](#) for more product information and support resources.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question