

Clydek BC40

Clydek Bluetooth FM Transmitter User Manual

MODEL: BC40

Brand: Clydek

1. Introduction

Thank you for purchasing the Clydek Bluetooth FM Transmitter, Model BC40. This device allows you to stream music and make hands-free calls through your car's FM radio system. It also features quick charging capabilities for your mobile devices. Please read this manual carefully to ensure proper use and optimal performance.

2. Product Overview

The Clydek BC40 FM Transmitter is designed for convenience and functionality in your vehicle. Key features include:

- **Bluetooth V5.0:** For stable and fast wireless connections.
- **Dual USB Charging Ports:** One QC3.0 port for rapid charging and one 5V/1A port that also supports USB disk playback.
- **Hands-Free Calling:** Integrated microphone with CVC noise cancellation for clear calls.
- **Multiple Music Playback Modes:** Stream via Bluetooth, USB disk, or TF card.
- **LED Display:** Shows FM frequency and other status information.

Product Components

EASY CONTROL



Image: Diagram showing the various components of the Clydek BC40 FM Transmitter, including the LED display, microphone, USB ports (QC3.0 and 5V/1A), TF card slot, and control buttons.

1. **LED Display:** Shows FM frequency.
2. **MIC:** Built-in microphone for hands-free calls.
3. **USB1 (U-disk, 5V/1A Charging):** For USB disk music playback and standard charging.
4. **USB2 (QC3.0 Quick Charging):** For rapid charging of compatible devices.
5. **Previous Track / FM Down Button:** Short press for previous song, long press to adjust FM frequency down.
6. **Multi-function Button (Phone/Play/Pause):** Short press to answer/hang up calls, play/pause music. Long press to switch playback mode. Double click to redial.
7. **Next Track / FM Up Button:** Short press for next song, long press to adjust FM frequency up.
8. **TF Card Slot:** For TF card music playback.
9. **Cigarette Lighter Plug:** Connects to your car's 12V/24V power outlet.

3. Setup Instructions

1. **Insert the Transmitter:** Plug the Clydek BC40 FM Transmitter into your car's 12V/24V cigarette lighter socket.

The LED display will light up, indicating it is powered on.

2. **Tune Your Car Radio:** Tune your car's FM radio to an empty frequency (one with no static or broadcast). A suitable frequency range is typically 76.0-108.0 MHz.
3. **Match Transmitter Frequency:** Adjust the FM frequency on the Clydek BC40 to match the empty frequency on your car radio.
 - Long press the "Previous Track" button to decrease the frequency.
 - Long press the "Next Track" button to increase the frequency.

Ensure both the car radio and the transmitter are set to the exact same frequency for optimal audio quality.

4. **Pair with Bluetooth:**
 - On your mobile device, enable Bluetooth.
 - Search for available Bluetooth devices and select "BC40" (or similar name) from the list.
 - Once paired, you will hear a confirmation tone, and the device will be ready for audio streaming.



Image: The Clydek BC40 FM Transmitter displaying "106.5" and a Bluetooth 5.0 icon, indicating a stable connection to a smartphone playing music.

4. Operating Instructions

4.1 Music Playback

The BC40 supports three methods for music playback:

- **Bluetooth Streaming:** After successful Bluetooth pairing, play music directly from your mobile device.
- **USB Disk Playback:** Insert a USB flash drive (up to 32GB) containing MP3/WMA/WAV/FLAC/APE audio files into the USB1 port. The device will automatically detect and play music.
- **TF Card Playback:** Insert a TF (Micro SD) card (up to 32GB) containing MP3/WMA/WAV/FLAC/APE audio files into the TF card slot. The device will automatically detect and play music.

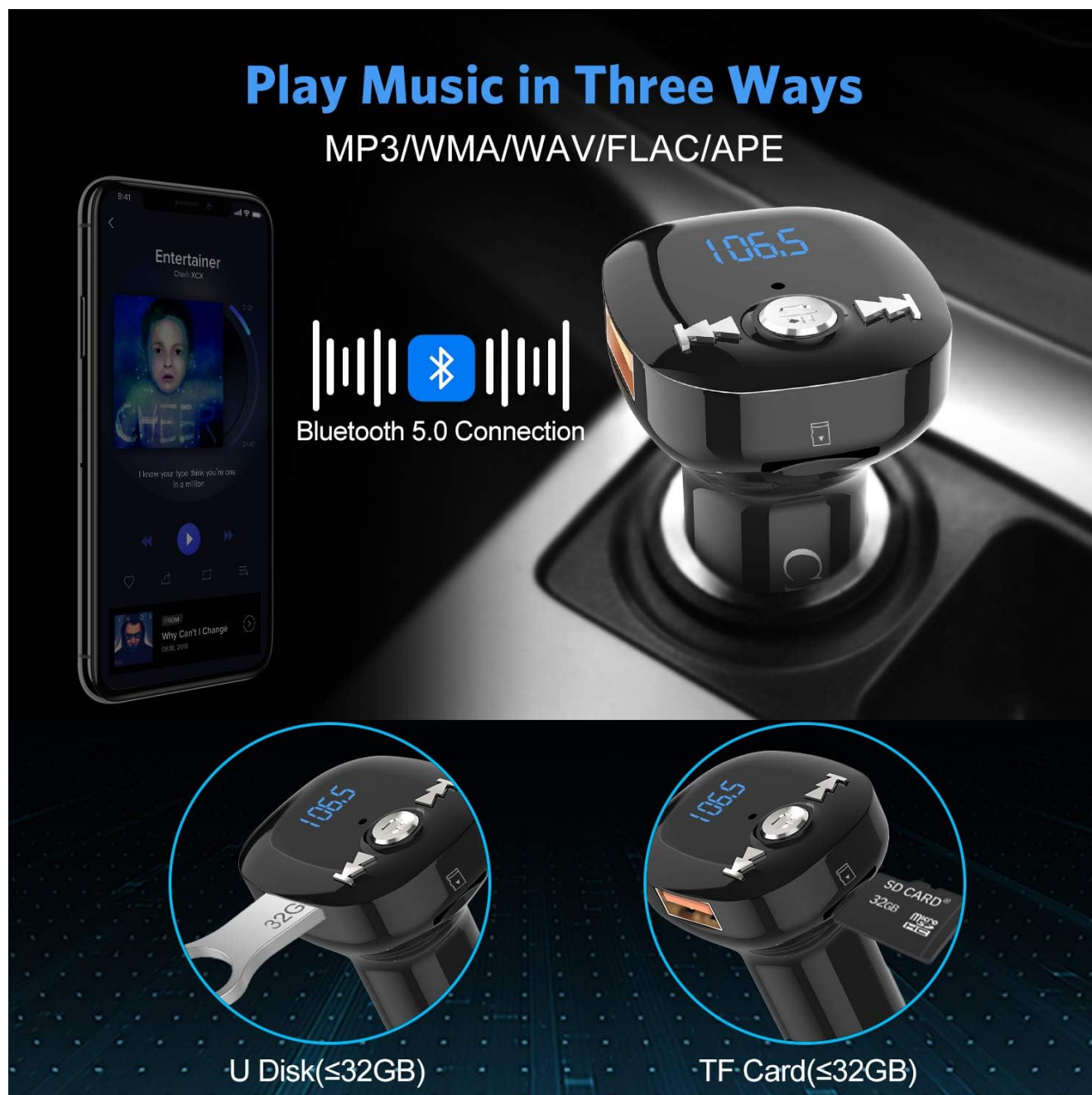


Image: The Clydek BC40 FM Transmitter illustrating its capability to play music via Bluetooth, a USB disk, or a TF card, with supported audio formats listed.

To switch between playback sources (Bluetooth, USB disk, TF card), long press the Multi-function button.

- **Short press "Previous Track" / "Next Track":** To skip to the previous or next song.
- **Short press "Multi-function Button":** To play or pause music.

4.2 Hands-Free Calling

When your phone is connected via Bluetooth, you can manage calls directly through the transmitter:



Image: The Clydek BC40 FM Transmitter highlighting its hands-free calling features, including Bluetooth 5.0, a high-sensitivity microphone, and controls for answering, hanging up, rejecting, and redialing calls.

- **Answer a Call:** Short press the Multi-function button.
- **Hang Up a Call:** Short press the Multi-function button during a call.
- **Reject a Call:** Long press the Multi-function button when an incoming call rings.
- **Redial Last Number:** Double click the Multi-function button.

The built-in microphone with CVC noise cancellation ensures clear communication.

4.3 Device Charging

The BC40 features two USB ports for charging your devices:

Dual USB Ports



QC3.0 5V/3A

4x faster than the standard charging



5V/1A

Support for U-disk and charging



Image: The Clydek BC40 FM Transmitter showing its dual USB ports, one labeled QC3.0 5V/3A for fast charging and the other 5V/1A for standard charging and U-disk support, with a smartphone charging in the background.

- **QC3.0 Port (USB2):** Provides rapid charging for compatible devices, charging up to 80% in approximately 35 minutes.
- **Standard USB Port (USB1):** Delivers 5V/1A charging for other devices. This port also functions as the USB disk input for music playback.

5. Maintenance

- Keep the device dry. Moisture can damage electronic components.
- Do not expose the device to extreme temperatures.
- Clean the device with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure the cigarette lighter socket is clean and free of debris for a stable connection.

6. Troubleshooting

Problem	Possible Cause	Solution
No power/LED display off	Loose connection; car socket issue; device fault.	Ensure the device is firmly plugged into the cigarette lighter socket. Check if the car's cigarette lighter fuse is intact. Try in another vehicle if possible.
Poor audio quality/static	FM frequency interference; unmatched frequencies; low volume.	Find a clearer, unused FM frequency on your car radio and match it on the transmitter. Increase the volume on both the transmitter and your car radio. Avoid frequencies used by strong local radio stations.
Bluetooth not connecting	Bluetooth not enabled on phone; device not in pairing mode; interference.	Ensure Bluetooth is enabled on your phone and search for "BC40". Restart both the phone and the transmitter. Move closer to the device.
USB/TF card not playing	Unsupported file format; card/disk not inserted correctly; corrupted files.	Ensure files are in MP3/WMA/WAV/FLAC/APE format. Reinsert the USB disk or TF card. Check if the card/disk is formatted correctly (FAT32 recommended).
Slow charging	Device not QC3.0 compatible; incorrect port used; cable issue.	Ensure your device supports QC3.0 for fast charging and is connected to the QC3.0 port (USB2). Use a high-quality charging cable.

7. Specifications

Feature	Detail
Model	BC40
Bluetooth Version	V5.0
FM Frequency Range	76.0 - 108.0 MHz
Input Voltage	DC 12V/24V
USB1 Output	5V/1A (supports U-disk up to 32GB)
USB2 Output	QC3.0 (Quick Charge)
Supported Audio Formats	MP3, WMA, WAV, FLAC, APE
TF Card Support	Up to 32GB
Material	Plastic
Color	Black
Screen Size	1.1 inches
Weight	1 Grams (as per product data, likely package weight is higher)

8. Warranty and Support

Clydek products typically come with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or contact Clydek customer support for detailed warranty information and assistance.

For technical support or inquiries, please visit the official Clydek website or contact their customer service channels.

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