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### eppfun S-23

# eppfun Bluetooth FM Transmitter User Manual

Model: S-23

## 1. INTRODUCTION

Thank you for choosing the eppfun Bluetooth FM Transmitter. This device allows you to stream music and make hands-free calls in your car, even if it lacks built-in Bluetooth. It features Bluetooth 5.0 for stable connections, supports TF card playback, and offers an AUX output option for direct audio connection.





Figure 1: eppfun Bluetooth FM Transmitter (Model S-23)

## 2. PACKAGE CONTENTS

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Please check the package for the following items:

- eppfun Bluetooth FM Transmitter (Model S-23)
- User Manual
- (Optional: AUX audio cable, if included with your specific purchase)

## 3. PRODUCT OVERVIEW

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Familiarize yourself with the components of your eppfun Bluetooth FM Transmitter.

# Product details



Figure 2: Product Components and Controls

- 1. Previous Song Button:** Press to go to the previous track.
- 2. TF Card Holder:** Insert a TF (microSD) card for music playback.
- 3. Microphone Hole:** For hands-free calls.
- 4. Multi-Function Button:** Play/Pause, Answer/End calls, Activate voice assistant.
- 5. USB Powered Cable:** Connects to a USB power source in your car.
- 6. Next Song Button:** Press to go to the next track.
- 7. AUX OUT Port:** For wired audio connection to your car's AUX input.
- 8. Spring Wire:** Flexible cable for easy positioning.
- 9. Display Screen:** Shows FM frequency and status.

## 4. SETUP GUIDE

## 4.1 Initial Connection

1. **Power On:** Plug the USB cable of the eppfun FM Transmitter into a USB power port in your car (e.g., car charger, car's USB port). The device will power on automatically.
2. **Mounting:** Use the provided 3M adhesive to fix the transmitter to a convenient location on your dashboard or console.



Figure 3: Compact size and adhesive fixation for easy placement.

### 3. Pairing with Your Phone:

- On your mobile phone, enable Bluetooth.
- Search for Bluetooth devices and select "S-23" from the list to pair.
- Once paired, the device will automatically reconnect to your phone the next time it's powered on.



Figure 4: Simple Bluetooth connection and automatic reconnection.

#### 4. Setting FM Frequency:

- Tune your car's FM radio to an empty frequency (one with no strong broadcast signal).
- On the eppfun transmitter, long press the Multi-Function Button (phone icon) for 2-3 seconds. The frequency number on the screen will flash.
- Use the Previous Song (left arrow) and Next Song (right arrow) buttons to adjust the transmitter's frequency to match your car's FM radio.
- Wait for 5 seconds after adjusting; the setting will be saved automatically. No confirmation is needed.

## Adjusting FM frequency

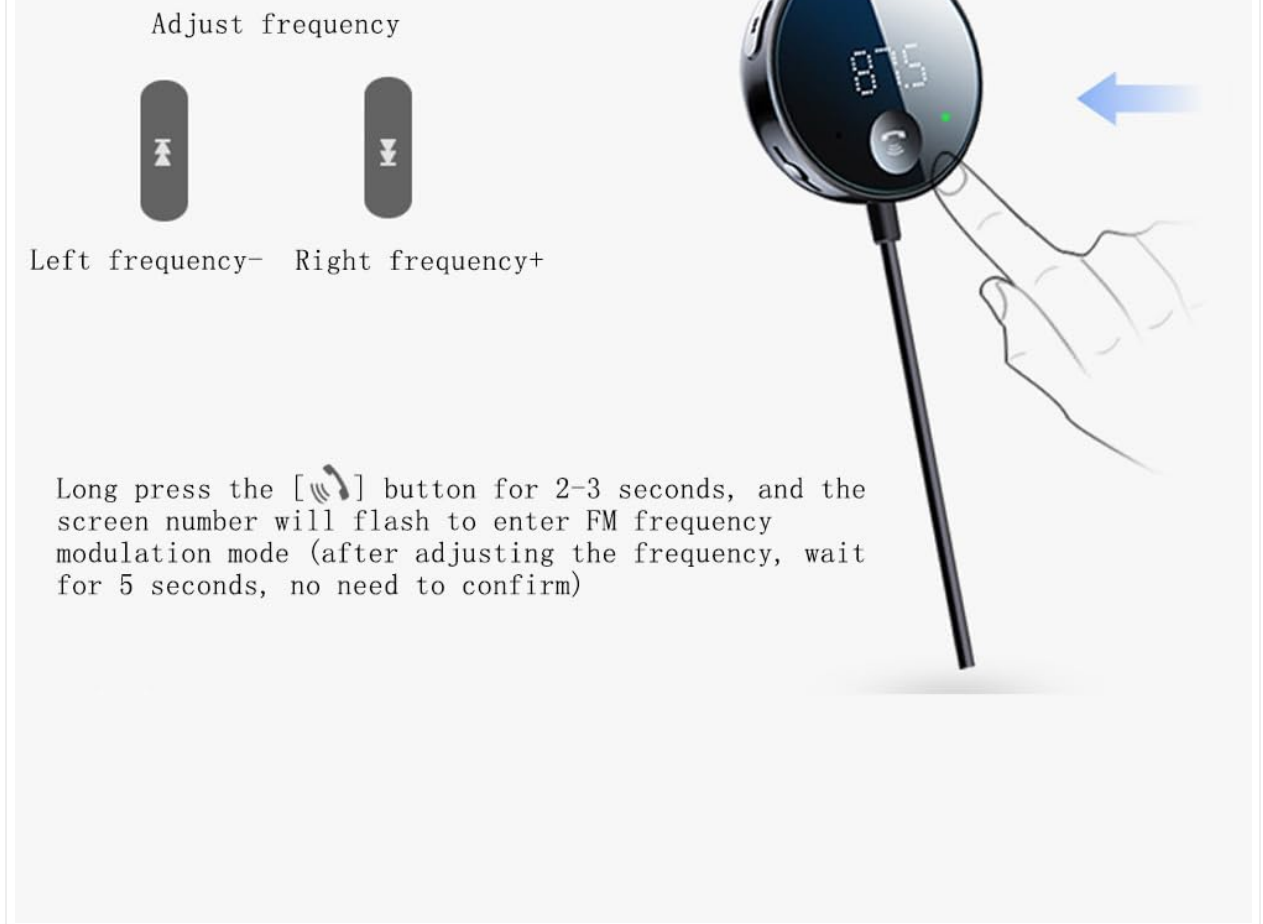


Figure 5: Adjusting FM Frequency.

### 4.2 AUX Output Connection (Optional)

If your car's infotainment system has an AUX input, you can use a wired connection for clearer sound quality and to avoid wireless signal interference.

1. Obtain a 3.5mm audio cable (not included).
2. Connect one end of the 3.5mm audio cable to the AUX OUT port on the eppfun transmitter.
3. Connect the other end of the cable to your car's AUX IN port.
4. Select the AUX input source on your car's audio system.

# Supporting AUX Out audio output

If the car's infotainment system has an Aux in input interface, a wired connection can be used



Figure 6: Connecting via AUX Out for direct audio.

## 5. OPERATING INSTRUCTIONS

### 5.1 Music Playback

- **Bluetooth Playback:** Once paired with your phone, music played on your phone will be transmitted through the eppfun device to your car's audio system (via FM or AUX).
  - Press the Multi-Function Button once to Play/Pause music.
  - Press the Previous Song button to play the previous track.
  - Press the Next Song button to play the next track.
- **TF Card Playback:** Insert a TF (microSD) card containing music files into the TF card holder. The device supports MP3, WMA, APE, FLAC, and WAV formats. The device prioritizes TF card playback if a card is inserted.

# TF storage card music playback

Format MP3、 WMA、 APE、 FLAC、 WAV



Figure 7: TF storage card music playback.

- Press the Multi-Function Button once to Play/Pause music.
- Press the Previous Song button to play the previous track.
- Press the Next Song button to play the next track.

## 5.2 Hands-Free Calling

The built-in microphone allows for clear hands-free communication.

- **Answer/End Call:** Press the Multi-Function Button once to answer an incoming call or end an ongoing call.
- **Reject Call:** Long press the Multi-Function Button to reject an incoming call.
- **Redial Last Number:** Double-press the Multi-Function Button to redial the last dialed number.

## 5.3 Voice Navigation

When connected via Bluetooth, voice navigation prompts from your phone will be transmitted through the device, allowing for more focused driving.

## Bluetooth 5.0 voice navigation

After turning on, it automatically connects to the Bluetooth of the phone, allowing for hands-free communication/navigation playback and more focused driving



Figure 8: Bluetooth 5.0 voice navigation integration.

### 5.4 Power Off Memory Function

The device automatically stores the playback frequency, volume, and current track when powered off. When the device restarts, it will resume playing from where it left off without manual adjustment.

### 5.5 Connecting Two Mobile Phones Simultaneously

The eppfun S-23 supports connecting two mobile phones via Bluetooth 5.0 simultaneously, allowing for seamless switching between devices.

1. Search for "S-23" on both phones at the same time.
2. The first phone to successfully connect will establish the primary connection.
3. Connect the second phone. It will automatically reconnect after the first connection is established.
4. **Note:** If the second phone cannot find "S-23", first disconnect the Bluetooth from the already connected first phone, then search and connect the Bluetooth of the second phone.

10 meter wireless transmission, supporting two mobile phones Bluetooth 5.0, with built-in antenna design, can achieve unobstructed signal transmission within 10 meters



Figure 9: Simultaneous connection of two mobile phones.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place when not in use.
- **Avoid Extreme Conditions:** Do not expose the device to extreme temperatures, direct sunlight, or excessive moisture.
- **Handle with Care:** Avoid dropping or subjecting the device to strong impacts.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Device not turning on.	USB power source issue; loose connection.	Ensure the USB cable is securely plugged in. Try a different USB port or car charger.

Problem	Possible Cause	Solution
Cannot pair with phone.	Bluetooth not enabled; device not in pairing mode; too many devices connected.	Ensure phone's Bluetooth is on. Restart the transmitter. Forget "S-23" on your phone and try pairing again. Ensure no other devices are actively connected to the transmitter.
Poor sound quality/Static/Interference.	FM frequency interference; volume too low; AUX cable issue.	Adjust the FM frequency on both the transmitter and car radio to an unused channel.  Increase the volume on both the transmitter and car radio. If using AUX, ensure the cable is fully inserted and undamaged.  Avoid placing the transmitter near other electronic devices that may cause interference.
TF card not playing.	Unsupported file format; card not inserted correctly; corrupted card.	Ensure music files are in MP3, WMA, APE, FLAC, or WAV format. Reinsert the TF card. Try a different TF card.
Hands-free call quality is poor.	Microphone obstruction; background noise; weak signal.	Ensure the microphone hole is not blocked. Reduce background noise in the car. Ensure strong Bluetooth connection.

## 8. SPECIFICATIONS

Feature	Detail
Model	S-23
Brand	eppfun
Connectivity Technology	Bluetooth 5.0
Power Source	Corded Electric (USB)
Material	Plastic
Special Features	Automatic On/Off, Built-In Microphone, Hands-Free Calls, Noise Cancellation, Power Off Memory, TF Card Playback, AUX Out
Wireless Transmission Range	Up to 10 meters (barrier-free)
Supported Audio Formats (TF Card)	MP3, WMA, APE, FLAC, WAV
Package Dimensions	4.88 x 2.8 x 1.42 inches
Item Weight	1.76 ounces
Manufacturer	Shenzhen innotide Technology co.,Ltd.

## 9. SAFETY INFORMATION

Please read and follow these safety guidelines to ensure safe operation of your device:

- Do not disassemble, repair, or modify the product. This may cause fire, electric shock, or complete breakdown of the product, and will void the warranty.
- Keep the device away from water, moisture, and other liquids.
- Do not expose the device to extreme temperatures (hot or cold) or direct sunlight for prolonged periods.
- Avoid dropping or subjecting the device to strong impacts.
- Keep out of reach of children.
- Do not operate the device while driving if it distracts you from the road. Always prioritize safe driving.
- Use only compatible power sources (e.g., standard car USB ports or certified car chargers).

## 10. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation provided with your purchase or contact eppfun directly through their official website or the retailer where you purchased the product. Please retain your proof of purchase for warranty claims.

**Manufacturer:** Shenzhen innotide Technology co.,Ltd.