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BOSUDA T18 FM Transmitter User Manual

Model: T18

1. INTRODUCTION

Thank you for purchasing the BOSUDA T18 FM Transmitter. This device allows you to stream music from your smartphone to your car's FM radio system, make hands-free calls, and rapidly charge your devices. Please read this manual carefully before use to ensure proper operation and to maximize the product's performance and longevity.

2. PRODUCT OVERVIEW

The BOSUDA T18 FM Transmitter integrates Bluetooth 5.3 technology for stable connections, multiple fast-charging ports, and various music playback options. It is designed for use in 12V-24V vehicles.



Image 2.1: Front view of the BOSUDA T18 FM Transmitter, showing the LED display, control buttons, and charging ports.

Key Features:

- **Bluetooth 5.3:** Provides faster and more stable wireless connection.
- **PD 30W + QC3.0 Fast Charging:** Equipped with Type-C PD 30W and USB QC 3.0 ports for rapid charging of multiple devices simultaneously.
- **Hands-Free Calling:** Built-in microphone with CVC noise reduction for clear calls.
- **Multiple Music Playback Modes:** Supports Bluetooth, AUX input, and USB flash drive (up to 32GB) for MP3/WMA/WAV/APE/FLAC formats.
- **LED Display & Ambient Light:** Displays FM frequency, Bluetooth status, and car battery voltage. Features a multi-color LED ambient light.
- **Voltage Monitoring:** Real-time display of car battery voltage for safety.

- **Automatic Storage Function:** Remembers the last played position for music playback.
- **Wide Compatibility:** Suitable for 12V-24V vehicles and most Bluetooth-enabled devices.



Image 2.2: Internal view highlighting the Bluetooth 5.3 processor for enhanced stability and anti-interference.

3. SETUP INSTRUCTIONS

Follow these steps to set up your BOSUDA T18 FM Transmitter:

1. **Insert the Transmitter:** Plug the FM transmitter into your car's cigarette lighter socket (12V-24V). The LED display will light up, showing the current FM frequency and car battery voltage.
2. **Tune Your Car Radio:** Set your car's FM radio to an unused frequency. An unused frequency is one that only produces static noise, without any music or voices. For example, 88.0 MHz. Ensure your car radio is in FM mode, not AM mode.
3. **Adjust Transmitter Frequency:** Press and hold the multi-function button on the transmitter until the frequency display starts flashing. Rotate the multi-function button to adjust the transmitter's frequency to match the unused frequency on your car radio (e.g., 88.0 MHz).
4. **Pair via Bluetooth:** Activate Bluetooth on your mobile device. Search for 'BC82/T18' in the list of available devices and pair with it. Once paired, you can play music from your phone through your car's speakers.



Image 3.1: Visual guide for setting up the FM transmitter, including tuning the car radio and pairing via Bluetooth.

4. OPERATING INSTRUCTIONS

4.1 Music Playback Modes

The BOSUDA T18 supports three music playback modes:

- **Bluetooth Mode:** After successful Bluetooth pairing, play music from your mobile device.
- **AUX Input Mode:** Connect an audio device (e.g., MP3 player) to the AUX-in port using a 3.5mm audio cable.
- **USB Flash Drive Mode:** Insert a USB flash drive (up to 32GB) containing MP3/WMA/WAV/APE/FLAC audio files into the designated USB port. The device will automatically detect and play music.

To switch between normal and heavy bass (EQ) modes, press the 'B' button on the transmitter.



Image 4.1: Illustration of the three music playback modes: Bluetooth, AUX input, and USB flash drive.



Image 4.2: Close-up of the AUX audio input port on the FM transmitter.

4.2 Hands-Free Calling

Once your phone is paired via Bluetooth, you can manage calls directly through the transmitter:

- **Answer Call:** Short press the multi-function button (phone icon).
- **End Call:** Short press the multi-function button again.
- **Reject Call:** Long press the multi-function button for 3 seconds.
- **Redial Last Number:** Double-press the multi-function button.

The built-in microphone with CVC noise reduction technology helps ensure clear call quality by reducing background noise.



Image 4.3: Diagram illustrating the hands-free calling controls on the FM transmitter.

4.3 Charging Functions

The transmitter features two fast-charging ports:

- **Type-C PD 30W Port:** For Power Delivery compatible devices.
- **USB QC 3.0 Port:** For Quick Charge 3.0 compatible devices.

These ports allow for simultaneous high-speed charging for both the driver and passengers. The device automatically adjusts the output current based on the connected device's charging requirements.



Image 4.4: Close-up of the PD 30W and QC3.0 fast charging ports, demonstrating simultaneous charging of multiple smartphones.

4.4 LED Display and Ambient Light

The LED display shows important information:

- FM Frequency:** The currently selected FM transmission frequency.
- Bluetooth Icon:** Indicates Bluetooth connection status.
- Car Battery Voltage:** Real-time monitoring of your car's battery voltage.

The device also includes an LED ambient light with multiple color modes, which can be adjusted to enhance your driving experience. Press the light bulb icon button to cycle through the light modes or turn it off.

LEDライト&自動車電池電圧検出

直感的な数値制御ディスプレイ、リアルタイムで自動車のバッテリー電圧を監視し、電源を入れると電圧状態を表示し、いつでも自動車の健康状態を把握し、運転がより安心



安全運転



Image 4.5: The LED display showing FM frequency and car battery voltage, with indicators for normal and abnormal voltage ranges.



Image 4.6: The FM transmitter with its multi-color ambient light feature, controlled by an independent switch.

5. TROUBLESHOOTING

If you encounter any issues with your BOSUDA T18 FM Transmitter, please refer to the following common problems and solutions:

Q1: How to solve noise issues?

- **A. Power Cord Interference:** Ensure no unshielded power cords are near the FM transmitter. Electromagnetic radiation from such cords can interfere with the FM signal, causing a humming sound.
- **B. Signal Attenuation:** FM signals may weaken in mountainous areas, densely built environments, or tunnels. It is recommended to re-select a new, clear idle FM frequency.
- **C. Volume Adjustment:** Adjust your car radio's volume to 1/3 or 1/2 of its maximum, but not exceeding 2/3. You can then adjust the volume on your mobile phone and the FM transmitter as needed.

Q2: How can I get better call quality?

- Before making a call, ensure your car radio is properly connected to an unused FM frequency.
- If there is residual noise in the car cabin, consider closing the windows when receiving a call to improve clarity.

Q3: What should I do if the voice is too low or there is no sound when playing music or making calls?

- **A. Increase Volume:** Turn up the volume on both your mobile phone and the FM transmitter.
- **B. Answering Calls:** When answering a call via the FM transmitter, press the multi-function button on the transmitter, not the receive button on your mobile phone.
- **C. Volume Caution:** If the connection is interrupted, the FM sound may play loudly. To avoid sudden loud noises, please lower the volume when parking.

Q4: Why does the Bluetooth player sound low when connected to a mobile phone?

- When your mobile phone and the FM transmitter are Bluetooth paired, the mobile phone's audio output volume may automatically reduce to 50%. In this situation, first increase the volume on your mobile phone (output audio source), and then adjust the volume on the FM transmitter to an appropriate level.

6. SPECIFICATIONS

Feature	Description
Model	T18
Brand	BOSUDA
Connectivity	Bluetooth 5.3, AUX Input, USB Flash Drive
Charging Ports	1x Type-C PD 30W, 1x USB QC 3.0
FM Frequency Range	76.0~95.0MHz (Japan standard)
Input Voltage	DC 12V-24V
Supported Audio Formats	MP3, WMA, WAV, APE, FLAC

USB Flash Drive Capacity	Up to 32GB
Product Dimensions	5 x 4.2 x 8 cm
Product Weight	0.06 grams
Special Features	Hands-free calling, CVC Noise Reduction, LED Display, LED Ambient Light, Voltage Measurement, EQ Mode (Normal/Heavy Bass)



Image 6.1: Detailed product dimensions of the BOSUDA T18 FM Transmitter.

7. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, direct sunlight, or moisture.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the device. This will void the warranty and may cause damage.
- Keep out of reach of children.

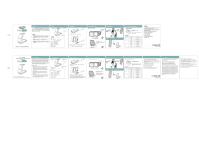
- The device features multiple circuit protections against overcurrent, overvoltage, overload, overheating, short circuit, undervoltage, reverse insertion, and electromagnetic interference.
- Always ensure the car battery voltage is within the normal operating range (11.6V-14.8V) as displayed on the device. If the voltage is below 11.6V, replace the battery. If above 14.8V, stop charging.

8. WARRANTY AND SUPPORT

The BOSUDA T18 FM Transmitter comes with a **2-year warranty** provided by the seller, XINYUNER-JP. For any product inquiries, technical support, or warranty claims, please contact the seller directly through your purchase platform.

Please retain your proof of purchase for warranty purposes.

Related Documents - T18

	<u>T18 Bluetooth Car Charger and FM Transmitter Owner's Manual</u> User manual for the T18 Bluetooth car charger and FM transmitter by Shenzhen Chengguangyuan, detailing features, operation for music playback and hands-free calls, charging capabilities, specifications, and FCC compliance information.
	<u>Transformers TF-T18 Bluetooth Earphones User Manual</u> User manual for the Transformers TF-T18 Bluetooth earphones, detailing FCC compliance, operating instructions, and safety information.
	<u>Aigo T18 Bluetooth Headset User Manual and Specifications</u> Comprehensive user manual for the Aigo T18 True Wireless Stereo Bluetooth Headset, covering company profile, important disclaimers, caution notes, specifications, environmental statement, terms of service, and FCC compliance.
	<u>Daximen T18 Wireless Earbuds User Manual</u> Comprehensive user manual for Daximen T18 Wireless Earbuds, covering setup, operation, controls, and charging. Learn how to pair, play music, manage calls, and activate Siri.
	<u>T18 Detector User Manual and Technical Specifications</u> This document provides instructions and technical specifications for the T18 Detector, a device designed for detecting various signals including radio waves, hidden cameras, and magnetic fields. It includes operational guidance, troubleshooting tips, and FCC compliance information.
	<u>ICHECKKEY T18 3-in-1 Foldable Magnetic Wireless Charging Stand - User Manual</u> User manual for the ICHECKKEY T18 3-in-1 Foldable Magnetic Wireless Charging Stand. Learn about its features, specifications, usage instructions, troubleshooting, and FCC compliance for charging iPhones, Apple Watches, and AirPods.

