

Telestar FM-T2

TELESTAR FM-T2 FM Transmitter User Manual

Model: FM-T2 | Brand: Telestar

1. INTRODUCTION

The TELESTAR FM-T2 is a versatile Bluetooth FM transmitter designed to enhance your in-car audio experience. It allows for wireless music streaming, hands-free calling, and fast charging of your mobile devices. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and safety.

Please read this manual thoroughly before using the device and keep it for future reference.

2. PRODUCT OVERVIEW

2.1 Package Contents

- TELESTAR FM-T2 FM Transmitter
- User Manual

2.2 Key Features

- Bluetooth FM Transmitter for wireless audio streaming (87.5 – 108.0 MHz)
- Integrated microphone for hands-free calling
- Voice control compatibility (Siri, Google Assistant, Bixby)
- USB-A Quick Charge 3.0 port (18W)
- USB-C Power Delivery port (30W)
- Adjustable multi-color LED ambient lighting (Rainbow, Breathing modes)
- LED display for FM frequency and vehicle voltage
- Compact design (44 × 78 × 43 mm, 37 g)
- Input voltage: 12V – 24V (suitable for cars, vans, trucks)

2.3 Device Layout

Écran clair

et affichage intelligent

■ Tout en un coup d'œil

L'écran intégré affiche la fréquence FM et la tension de la batterie. En cas d'écarts, la détection automatique de tension émet un avertissement



Figure 1: TELESTAR FM-T2 FM Transmitter with labeled components. This image shows the USB-C (PD) port, USB-A 3.0 (QC) port, LED screen displaying "108.0", a multifunction button, a lighting button, and the microphone location.

1. **USB-C (PD) Port:** Power Delivery charging port.
2. **USB-A 3.0 (QC) Port:** Quick Charge 3.0 charging port.
3. **LED Screen:** Displays FM frequency and vehicle voltage.
4. **Multifunction Button:** Used for frequency adjustment, volume control, and call management.
5. **Lighting Button:** Controls LED ambient lighting modes.

6. **Microphone:** For hands-free calls and voice assistant commands.

3. SETUP

3.1 Initial Installation

1. Insert the TELESTAR FM-T2 into your vehicle's 12V-24V cigarette lighter socket. The device will power on automatically, and the LED display will light up.
2. The LED display will show the current vehicle voltage for a few seconds, then switch to the FM frequency.



Figure 2: The FM-T2 transmitter inserted into a vehicle's 12V power outlet.

3.2 Pairing with Your Device (Bluetooth)

1. On your smartphone or other Bluetooth-enabled device, enable Bluetooth.
2. Search for available Bluetooth devices and select "FM-T2" from the list.

3. Once paired, the device will confirm the connection, and you can now stream audio wirelessly.

3.3 Setting the FM Frequency

1. Tune your car radio to an unused FM frequency (one with static or no broadcast).
2. On the FM-T2, press and hold the multifunction button until the FM frequency on the LED display starts flashing.
3. Rotate the multifunction button left or right to adjust the FM frequency of the transmitter to match your car radio's frequency.
4. Once matched, press the multifunction button again to confirm the frequency, or wait a few seconds for it to set automatically.
5. For best audio quality, choose a frequency that is clear and free from interference.

4. OPERATING INSTRUCTIONS

4.1 Music Playback

- After successful Bluetooth pairing and FM frequency matching, open your music player on your smartphone.
- Music will be streamed wirelessly from your phone to your car radio via the selected FM frequency.
- **Play/Pause:** Short press the multifunction button.
- **Next Track:** Short press the "Next" button (right arrow).
- **Previous Track:** Short press the "Previous" button (left arrow).
- **Volume Adjustment:** Rotate the multifunction button clockwise to increase volume, counter-clockwise to decrease volume. (Note: Adjust car radio volume first for optimal sound.)

4.2 Hands-Free Calling

The FM-T2 allows for safe hands-free communication while driving.

Fonction mains libres

pour une conduite sûre

■ Utilisation simple - Confort optimal

Grâce au microphone intégré, vous pouvez passer des appels téléphoniques en toute simplicité grâce à la fonction mains libres. L'activation d'assistants vocaux tels que Siri, Google Assistant ou Bixby est également prise en charge



Figure 3: A hand pressing the multifunction button on the FM-T2, demonstrating its use for hands-free calls.

- **Answer Call:** Short press the multifunction button when an incoming call rings.
- **End Call:** Short press the multifunction button during a call.
- **Reject Call:** Press and hold the multifunction button for 2 seconds when an incoming call rings.
- **Redial Last Number:** Double-press the multifunction button.
- **Switch to Private Mode:** During a call, press and hold the multifunction button for 2 seconds to switch the call to your phone's speaker, and vice-versa.

4.3 Voice Assistant Activation

The FM-T2 supports voice assistants like Siri, Google Assistant, and Bixby.

- **Activate Voice Assistant:** Short press the "Lighting" button (next to the microphone icon) to activate your phone's voice assistant.
- You can then issue commands through the FM-T2's microphone.

4.4 Charging Devices

The FM-T2 features two fast-charging ports:

Fonction de charge rapide pour smartphone ou tablette

- **Puissance de charge élevée**
Grâce à un port USB-A (18 watts) et un port USB-C (30 watts),
l'émetteur recharge plusieurs appareils simultanément



Figure 4: The FM-T2 transmitter connected to a smartphone via its USB-C port for fast charging.

- **USB-A 3.0 (QC) Port:** Provides up to 18W output for Quick Charge compatible devices.
- **USB-C (PD) Port:** Provides up to 30W output for Power Delivery compatible devices.
- Connect your device's charging cable to the appropriate port on the FM-T2 to begin charging.

4.5 LED Ambient Lighting

The FM-T2 features adjustable LED lighting.

- **Change Lighting Mode:** Short press the "Lighting" button (next to the microphone icon) to cycle through different LED lighting modes (e.g., Rainbow, Breathing, static colors, off).
- The lighting can be adjusted to suit your preference or turned off.

5. MAINTENANCE

- Keep the device dry. Moisture can damage the internal circuits.
- Do not expose the device to extreme temperatures.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or detergents.
- Ensure the cigarette lighter socket is clean and free of debris for optimal connection.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Device not turning on.	<ul style="list-style-type: none"> • Loose connection in cigarette lighter socket. • Vehicle's cigarette lighter socket is faulty. • Vehicle's fuse for the cigarette lighter is blown. 	<ul style="list-style-type: none"> • Ensure the FM-T2 is firmly inserted. • Test the socket with another device. • Check and replace the vehicle's fuse if necessary (consult your vehicle manual).
Poor audio quality/Static.	<ul style="list-style-type: none"> • FM frequency interference. • Car radio volume too low/high. • Bluetooth connection issue. 	<ul style="list-style-type: none"> • Change to a different, clear FM frequency on both the FM-T2 and your car radio. • Adjust car radio volume to a suitable level before adjusting the FM-T2 volume. • Reconnect Bluetooth. Ensure your phone's volume is up.
Cannot pair via Bluetooth.	<ul style="list-style-type: none"> • Bluetooth not enabled on phone. • Device too far from transmitter. • Interference. 	<ul style="list-style-type: none"> • Ensure Bluetooth is enabled on your phone. • Keep your phone within 5 meters of the FM-T2. • Restart both the FM-T2 (by unplugging and replugging) and your phone's Bluetooth.
Charging is slow or not working.	<ul style="list-style-type: none"> • Cable issue. • Device not compatible with fast charging. • Multiple devices charging simultaneously (may reduce speed). 	<ul style="list-style-type: none"> • Try a different charging cable. • Ensure your device supports Quick Charge or Power Delivery for optimal speed. • If charging multiple devices, charging speed may be distributed.

7. SPECIFICATIONS

Brand	Telestar
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Model Name	FM-T2
Connectivity Technology	USB, Bluetooth
Wireless Communication Standard	Bluetooth
Bluetooth Version	5.0 (based on Hardware Interface: Bluetooth 5)
Frequency Range	87.5 – 108.0 MHz
Input Voltage	12V – 24V
USB-A Output (QC 3.0)	5V/3A, 9V/2A, 12V/1.5A (18W Max)
USB-C Output (PD)	5V/3A, 9V/3A, 12V/2.5A (30W Max)
Material	Acrylonitrile Butadiene Styrene (ABS), Metal
Product Dimensions (L x W x H)	44 x 43 x 78 mm
Item Weight	37 Grams
Color	Black
Control Method	Push Button, Rotary Knob
Country of Origin	China

TELESTAR®
Transmetteur FM FM-T2



Figure 5: Dimensions of the FM-T2 transmitter.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The TELESTAR FM-T2 comes with a **2-year legal warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents,

unauthorized modifications, or normal wear and tear.
Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical support, warranty claims, or further inquiries, please contact your retailer or the TELESTAR customer service department. Refer to the contact information provided with your purchase or on the official TELESTAR website.

