

Mogico T7 PRO

Mogico T7 PRO Motorcycle Wireless CarPlay Android Auto GPS Navigator User Manual

Model: T7 PRO

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Mogico T7 PRO Motorcycle Wireless CarPlay Android Auto GPS Navigator. Please read this manual thoroughly before using the device to ensure proper function and safety.

Important Note: The Mogico T7 PRO does not have a built-in battery and requires continuous power from your motorcycle's electrical system or a USB power source to operate.

2. PRODUCT FEATURES

- **Wireless CarPlay & Android Auto:** Seamless integration with your smartphone for navigation, calls, music, and messages.
- **Voice Control:** Utilize Siri or Google Assistant for hands-free operation.
- **Dual Bluetooth & Dual-Band Wi-Fi:** Connect your phone and Bluetooth headset/helmet simultaneously for enhanced audio and connectivity. Supports 2.4G/5G Wi-Fi for faster data transfer.
- **2K Dual Camera Recorder:** Front and rear waterproof wide-angle night vision 2MP 2K HD cameras for driving recording, expandable up to 128GB Micro TF.
- **Blind Spot Detection (BSD):** Rear camera provides visual warnings on screen for vehicles in your blind spot, enhancing safety during lane changes.
- **6.25" HD IPS Touch Screen:** High-resolution (1560*720) display for clear visuals and responsive touch control.
- **IP67 Waterproof Rating:** Durable design ensures reliable operation in various weather conditions, including rain and direct sunlight.
- **Wide Operating Temperature:** Functions effectively in temperatures ranging from -20°C to 70°C.
- **Easy Installation:** Designed for straightforward mounting on motorcycle handlebars.

- **Optional Tire Pressure Sensor Support:** Compatible with external tire pressure sensors (sold separately) for real-time tire pressure and temperature monitoring.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Mogico T7 PRO Smart Riding System Unit
- Motorcycle Mounting Kit (Handlebar mount, screws)
- Installation Harness for Vehicle Power
- Front Camera
- Rear Camera with Blind Spot Detection
- USB Charging Cable
- User Manual (This document)



Figure 3.1: Mogico T7 PRO unit and typical accessories.

4. SETUP AND INSTALLATION

Follow these steps to properly install your Mogico T7 PRO system on your motorcycle.

4.1 Mounting the Main Unit

1. Select a suitable location on your motorcycle's handlebars that does not obstruct your view or control of the vehicle.
2. Attach the handlebar mount securely using the provided screws and tools. Ensure the mount is stable and can support the device's weight.
3. Slide the Mogico T7 PRO unit onto the mount until it clicks into place. Adjust the viewing angle for optimal visibility.



Figure 4.1: Mogico T7 PRO unit mounted on a motorcycle, showing GPS navigation in use.

4.2 Power Connection

The Mogico T7 PRO requires external power. Connect the included installation harness to your motorcycle's electrical system according to your motorcycle's service manual. Alternatively, you can use a USB charging cable for temporary power, though direct vehicle power is recommended for continuous use.

- Identify a suitable 12V power source on your motorcycle (e.g., ignition-switched power).
- Connect the red wire of the harness to the positive (+) terminal and the black wire to the negative (-) or ground terminal.

- Ensure all connections are secure and insulated to prevent short circuits.

4.3 Camera Installation

Install the front and rear cameras in positions that provide a clear, unobstructed view. Ensure they are securely mounted and the cables are routed safely, away from moving parts and heat sources.

- **Front Camera:** Mount on the front of the motorcycle, ensuring a wide view of the road ahead.
- **Rear Camera:** Mount on the rear of the motorcycle, providing a clear view behind for recording and blind spot detection.
- Connect the camera cables to the corresponding ports on the Mogico T7 PRO unit.

4.4 Micro TF Card Installation

Insert a Micro TF card (up to 128GB, not included) into the designated slot on the Mogico T7 PRO unit for video recording storage. Ensure the card is inserted correctly until it clicks.

4.5 Optional Tire Pressure Sensor Installation

If you have purchased the optional tire pressure sensors, install them according to their specific instructions. The Mogico T7 PRO will automatically detect and display tire pressure and temperature data once connected.

5. OPERATING INSTRUCTIONS

This section details how to use the various functions of your Mogico T7 PRO.

5.1 Powering On/Off

- **Power On:** Once connected to a power source, the device will automatically power on when the motorcycle's ignition is turned on.
- **Power Off:** The device will power off automatically when the motorcycle's ignition is turned off. You can also manually power off by pressing and holding the power button (if available) or disconnecting power.

5.2 Wireless CarPlay / Android Auto Connection

The Mogico T7 PRO supports wireless connection to Apple CarPlay and Android Auto.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the Mogico T7 PRO screen, select the CarPlay or Android Auto icon.
3. On your smartphone, search for and connect to the device's Bluetooth name (e.g., "Mogico T7 PRO").
4. Follow the on-screen prompts on both the device and your phone to complete the pairing process. This will establish a Wi-Fi connection for data transfer.



Figure 5.1: Wireless connection setup for smartphone and helmet headset.

5.3 Using Navigation

Once connected to CarPlay or Android Auto, you can access your preferred navigation applications directly on the Mogico T7 PRO screen.

- Tap the navigation app icon (e.g., Apple Maps, Google Maps, Waze) on the display.
- Enter your destination using the touch screen or voice commands.
- Follow the on-screen directions and audio prompts through your connected Bluetooth headset.

5.4 Music and Media Playback

Enjoy music and other media from your smartphone through the Mogico T7 PRO.

- Select your music or media app (e.g., Spotify, Apple Music) from the CarPlay/Android Auto interface.
- Control playback (play, pause, skip) using the touch screen or voice commands.
- Audio will be routed to your paired Bluetooth headset or helmet communication system.

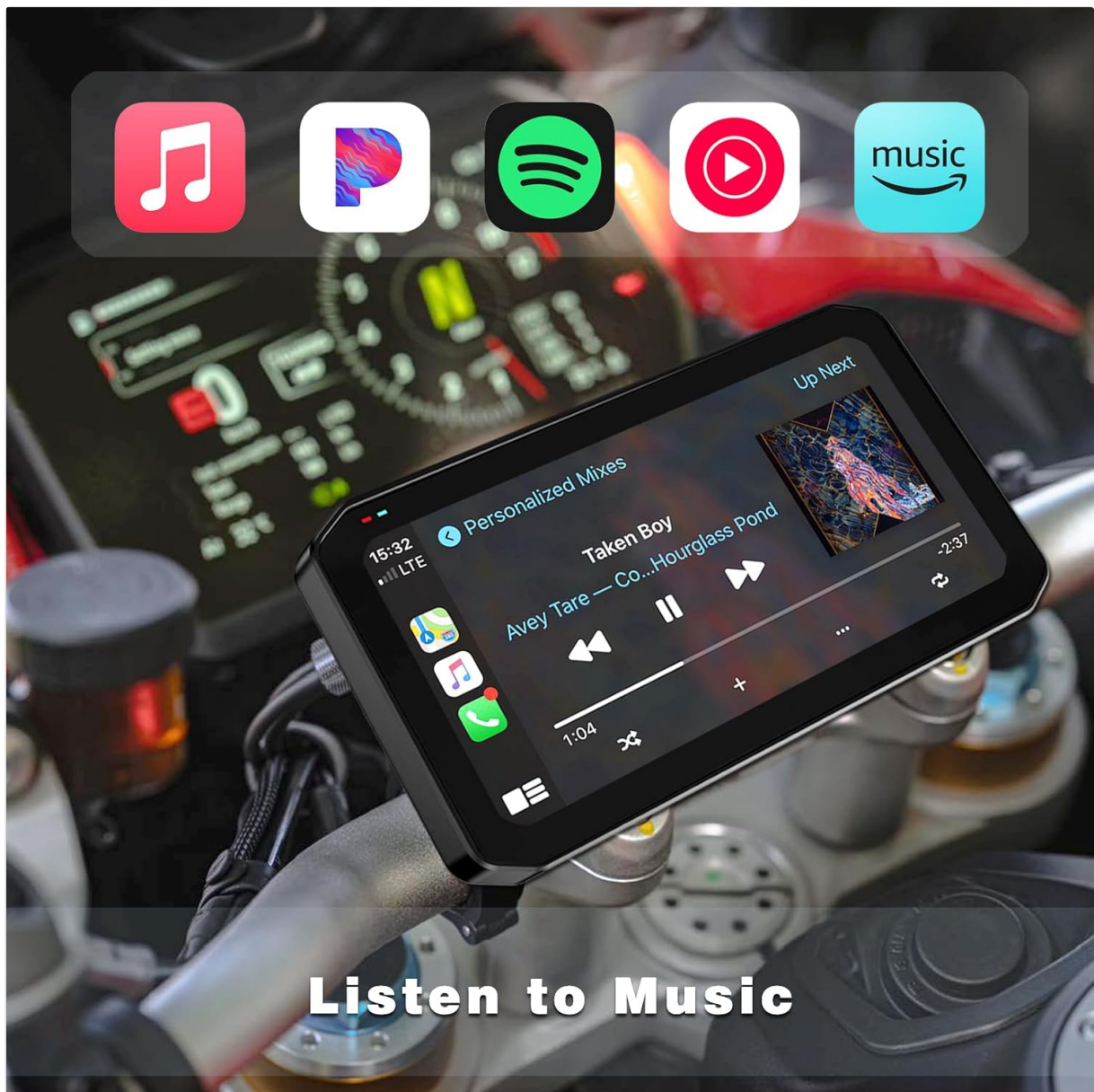


Figure 5.2: Music playback interface on the Mogico T7 PRO.

5.5 Dual Camera Recorder Operation

The integrated dual cameras continuously record your ride.

- **Recording:** Recording starts automatically when the device powers on, provided a Micro TF card is inserted.
- **Viewing Footage:** Video footage can be accessed and played back directly on the device screen or by connecting the Micro TF card to a computer. A dedicated mobile app may also be available for viewing and downloading recordings (refer to product packaging or manufacturer website for app details).

5.6 Blind Spot Detection (BSD)

The rear camera provides a Blind Spot Detection feature to enhance safety.

- **Functionality:** When a vehicle approaches your blind spot from behind, the screen will display a visual warning.
- **Settings:** The BSD function can be enabled, disabled, or configured to provide speed-dependent reminders through the device's settings menu.

5.7 Voice Control

Activate Siri (for CarPlay) or Google Assistant (for Android Auto) to control functions hands-free.

- Press the voice command button on the screen or use the voice activation phrase (e.g., "Hey Siri", "Hey Google").
- Issue commands for navigation, calls, music, messages, and more.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mogico T7 PRO.

- **Cleaning:** Use a soft, damp cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Water Exposure:** While the device is IP67 waterproof, avoid submerging it in water. Ensure all port covers are securely closed during wet conditions.
- **Temperature:** Operate and store the device within the specified temperature range (-20°C to 70°C) to prevent damage.
- **Cable Management:** Regularly check all cables for wear or damage. Ensure they are securely routed and not pinched.

7. TROUBLESHOOTING

If you encounter issues with your Mogico T7 PRO, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Device does not power on.	No power supply; loose connection.	Check power harness connection to motorcycle. Ensure ignition is on.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone; incorrect pairing.	Ensure phone's Bluetooth/Wi-Fi is on. Re-pair the device via Bluetooth settings on both the unit and phone.
Cameras not recording.	No Micro TF card; card full; card error.	Insert a Micro TF card. Format the card via device settings. Replace card if faulty.
Screen unresponsive.	Temporary software glitch.	Restart the device by cycling the motorcycle's ignition.
BSD not working.	Feature disabled; rear camera obstructed.	Check BSD settings in the device menu. Ensure rear camera lens is clean and unobstructed.

8. SPECIFICATIONS

Feature	Detail
Model Name	Mogico T7 PRO
Display Size	6.25 Inches
Resolution	1560*720 (HD IPS Touch Screen)

Feature	Detail
Operating System	Linux
Connectivity	Bluetooth, Wi-Fi (2.4G/5G Dual-Band)
Camera Resolution	2MP 2K HD (Dual Cameras)
Storage Expansion	Micro TF up to 128GB
Waterproof Rating	IP67
Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Item Weight	1.76 pounds (approx. 0.8 kg)
Product Dimensions	6.61 x 3.54 x 0.98 inches (approx. 16.8 x 9 x 2.5 cm)
Power Source	External 12V vehicle power or USB (no built-in battery)
Vehicle Service Type	Motorcycle

9. WARRANTY AND SUPPORT

The Mogico T7 PRO comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond this manual, or warranty inquiries, please contact Mogico customer service through their official website or the retailer where the product was purchased.

Always refer to the latest information available on the manufacturer's website for updated drivers, firmware, or support resources.