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> WonVon 6.25-inch Motorcycle CarPlay Screen with Android Auto User Manual

WonVon 6.25"+Dual 2K Cam+TPMS

WonVon 6.25-inch Motorcycle CarPlay Screen with Android Auto User Manual

Model: 6.25"+Dual 2K Cam+TPMS

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your WonVon 6.25-inch Motorcycle CarPlay Screen with Android Auto. This device integrates wireless Apple CarPlay and Android Auto, a dual 2K dash camera, and a Tire Pressure Monitoring System (TPMS) into a waterproof unit designed for motorcycles. Please read this manual thoroughly before use to ensure proper functionality and safety.



Figure 1: WonVon 6.25-inch Motorcycle CarPlay Screen displaying both CarPlay and Android Auto interfaces, highlighting key features like WiFi, Dual Bluetooth, Light Sensing, 64GB Card, Compass, Built-in 5G Chip, IP67 Waterproof, and Barometer.

2. SAFETY INFORMATION

Always prioritize safety when operating your motorcycle. Improper installation or use of this device can lead to accidents. Observe the following precautions:

- **Installation:** Ensure all components are securely mounted and wiring is correctly connected to prevent interference

with motorcycle controls or accidental dislodgement during operation. If unsure, seek professional installation.

- **Operation:** Do not attempt to operate the device or adjust settings while riding. Pull over to a safe location before interacting with the screen.
- **Visibility:** Ensure the device does not obstruct your view of the road, mirrors, or motorcycle instruments.
- **Waterproof Rating:** The device is IP67 waterproof, designed to withstand rain and splashes. However, avoid prolonged submersion.
- **Temperature:** Operate the device within the specified temperature range (-20°C to 70°C) to prevent damage.
- **Power Source:** Connect the device only to a 12V DC power source as specified in the installation section.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 6.25-inch Motorcycle CarPlay Screen Unit
- Front Camera (2K)
- Rear Camera (2K)
- Wire Remote Control
- Mounting Bracket Kit
- Tire Pressure Sensors (2 units)
- Connection Cables (Power, Camera, etc.)
- 64GB TF/SD Card
- User Manual
- Installation Tools



Figure 2: Illustration of all included components: Main unit, front and rear cameras, wire remote control, mounting bracket, tire pressure sensors, various cables, 64GB SD card, manual, and tools.

4. PRODUCT OVERVIEW

Familiarize yourself with the main unit and its controls.

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Video 1: This video provides a general overview of the WonVon 6.25-inch Motorcycle CarPlay Screen, demonstrating its physical features, remote control functions, and main interface elements including speed, direction, tire pressure, and menu navigation.

4.1 Main Unit Interface

- **Touchscreen Display:** 6.25-inch IPS screen with 1024x600 HD resolution and 1000 nits brightness. Supports glove operation.
- **Auto Light Sensor:** Automatically adjusts screen brightness for optimal visibility in varying light conditions.
- **Microphone:** Built-in for voice commands and hands-free calls.
- **SD Card Slot:** For inserting the provided 64GB TF/SD card for dash cam recording. Supports up to 256GB.

4.2 Wire Remote Control

The wired remote control allows for safe operation without touching the main screen while riding.

- **Phone Keys:** Short press to answer calls, long press (3 seconds) to hang up.
- **Camera Button:** Short press to take a capture, long press (3 seconds) to lock the current video recording.
- **Menu Swap Key:**
 - First press: Enter video preview interface.
 - Second press: Enter mobile phone connection interface.
 - Third press: Return to homepage.
 - Long press (5 seconds): Turn on/off touchscreen function.
- **GPS Button:** Activates GPS functions.

5. SETUP

5.1 Mounting the Unit

The device includes a mounting bracket kit for handlebar installation. Ensure the mounting location provides clear visibility and does not interfere with motorcycle operation.

1. Install the bracket base securely onto your motorcycle's handlebar.
2. Attach the main unit to the connector on the bracket base, ensuring it is firmly locked in place.
3. Adjust the angle for optimal viewing.



Figure 3: Step-by-step guide for installing the bracket base and attaching the main unit to the motorcycle handlebar.

5.2 Wiring Connections

Connect the power cable, front camera, and rear camera as illustrated in the diagram. The system requires a simple

ACC+12V wiring connection.

- Connect the **ACC** wire to an ignition-switched 12V power source.
- Connect the **GND** wire to the motorcycle's chassis ground.
- Connect the front and rear cameras to their respective ports.
- Ensure all connections are secure and protected from water and vibration.



Figure 4: Detailed wiring diagram for the main unit, cameras, and power connections to the motorcycle battery.

5.3 Tire Pressure Monitoring System (TPMS) Setup

The TPMS sensors provide real-time tire pressure data. Install them on your tire valves and pair them with the main unit.

1. Screw the designated front (F.W) and rear (R.W) TPMS sensors onto your motorcycle's tire valves.
2. On the main unit, navigate to the TPMS settings.
3. Initiate the pairing process for each sensor. The sensors will activate and pair once pressure is detected.

6. OPERATING INSTRUCTIONS

6.1 Wireless CarPlay / Android Auto Connection

To connect your smartphone wirelessly:

1. Turn on **Bluetooth** and **Wi-Fi** on your smartphone.
2. On the CarPlay screen, navigate to the phone connection interface (using the remote control's menu swap key or touchscreen).
3. Search for and select the device's Bluetooth name (e.g., "Car_Play_Hub_xxxx") on your phone.
4. Confirm the pairing request on both devices.
5. Once paired, select "Connect" for CarPlay or Android Auto. The connection should establish within approximately 10 seconds.

Enjoy Your Music Anytime

Play music from Spotify, YouTube Music, Apple Music... —stream your favorites on the go.



Figure 5: Visual steps for connecting an iPhone to the CarPlay screen via Bluetooth and Wi-Fi.

All-Weather Performance

Rain, Shine, or Snow—Your Device Performs Perfectly Rainy Day



Figure 6: Visual steps for connecting an Android phone to the CarPlay screen via Bluetooth and Wi-Fi.

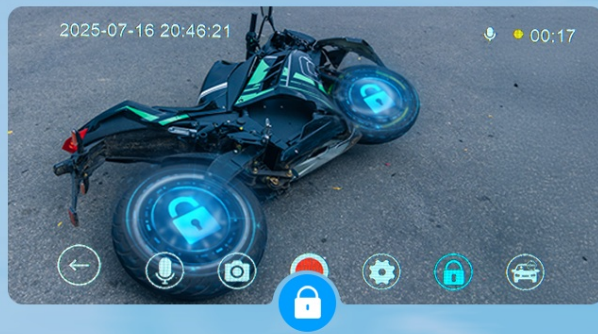
6.2 Navigation and Voice Control

Once connected, use Siri or Google Assistant for hands-free navigation, calls, and music control. Compatible with popular navigation apps like Google Maps, Waze, and others.

- **Voice Commands:** Activate Siri or Google Assistant by voice or through the screen interface to initiate navigation, make calls, or play music.
- **Navigation:** Select your preferred navigation app and destination. The screen will display turn-by-turn directions.

Loop Recording & Emergency Lock

Automatic emergency video lock with collision detection—never lose crucial footage.



G-sensor Auto Lock



Loop Recording

Figure 7: The CarPlay screen displaying navigation with voice command prompts for Siri and Google Assistant.

6.3 Dual 2K Dash Cam Operation

The integrated dual 2K dash cam records continuously. Footage is stored on the inserted TF/SD card.

- **Loop Recording:** The system automatically overwrites the oldest files when the storage card is full.
- **G-Sensor & Emergency Lock:** In case of sudden impact or braking, the G-sensor will automatically lock the current video segment to prevent it from being overwritten.
- **Viewing Footage:** Access recorded videos directly on the screen via the playback icon, or remove the SD card and view on a computer.

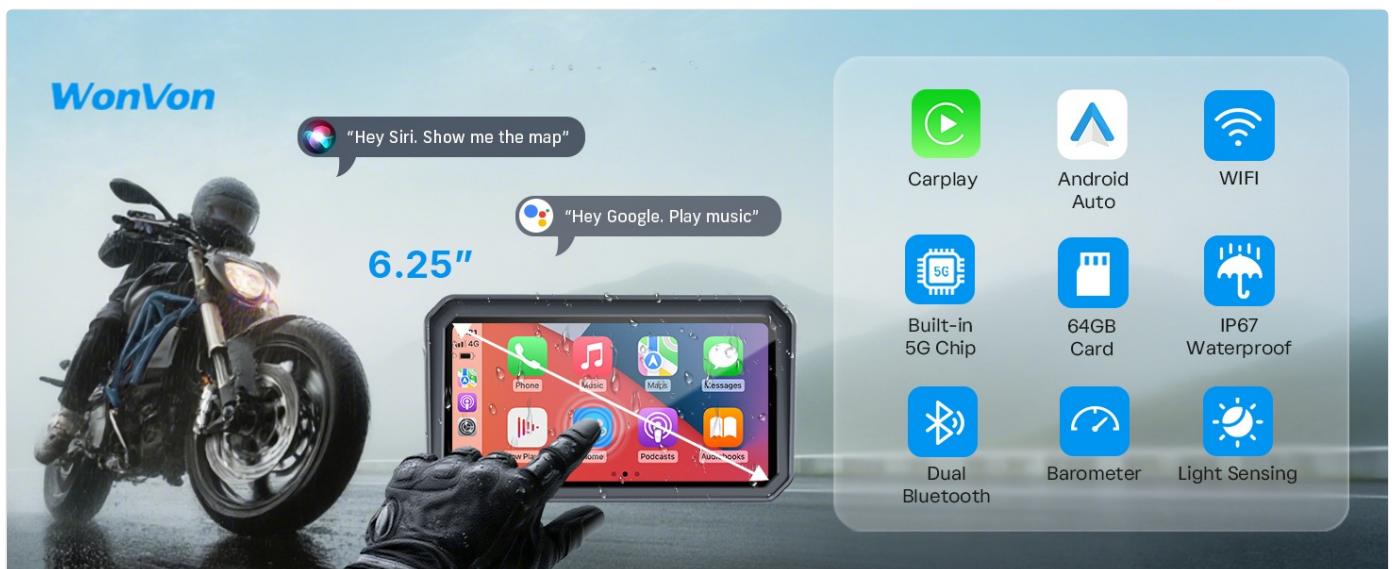


Figure 8: Dual 2K camera views (front and rear) demonstrating loop recording and wide 140-degree angle HD protection.

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Video 2: This short video demonstrates the waterproof capabilities of the WonVon Motorcycle CarPlay Screen, showing it functioning effectively under simulated rain conditions.

6.4 Bluetooth Audio and Calls

Connect your Bluetooth helmet or headset for audio and hands-free communication.

1. Ensure your Bluetooth helmet/headset is in pairing mode.
2. On the CarPlay screen, navigate to Bluetooth settings and pair with your helmet/headset.
3. Once connected, audio from CarPlay/Android Auto will stream to your helmet, and you can make/receive calls using

the built-in microphone or your helmet's microphone.



Figure 9: Illustration of Bluetooth audio control, showing how the phone connects to the CarPlay screen, which then connects to a Bluetooth headset or helmet for calls and music.

6.5 Brightness Adjustment

The screen features an auto light sensor. You can also manually adjust brightness.

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Video 3: This video demonstrates how to adjust the screen brightness manually on the WonVon Motorcycle CarPlay Screen, showing the interface for brightness control.



Figure 10: Illustration of the adaptive light sensor feature, showing how the screen automatically adjusts brightness between daytime and nighttime conditions.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates to ensure optimal performance and new features.
- **SD Card:** Regularly back up important dash cam footage. Format the SD card periodically to maintain performance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Loose power connection, no power from ACC.	Check all power cable connections. Ensure ACC wire is connected to a switched 12V source. Verify motorcycle battery is charged.
CarPlay/Android Auto fails to connect.	Bluetooth/Wi-Fi off on phone, incorrect pairing, interference.	Ensure phone's Bluetooth and Wi-Fi are enabled. Forget device on phone and re-pair. Restart both phone and CarPlay unit.
Dash cam not recording or footage is missing.	SD card full, faulty SD card, loose camera connection.	Check SD card capacity and format if necessary. Ensure SD card is properly inserted. Verify camera connections.
TPMS sensors not displaying data.	Sensors not paired, low sensor battery, incorrect installation.	Re-pair sensors via settings. Ensure sensors are correctly installed on valves. Check sensor battery status if possible.
Screen unresponsive to touch with gloves.	Gloves not compatible with capacitive touchscreens.	Use touchscreen-compatible gloves or the wire remote control.

9. SPECIFICATIONS

Feature	Detail
Screen Size	6.25 Inches
Display Resolution	1024x600 HD
Brightness	1000 nits (with auto light sensor)
Operating System	Linux
Connectivity	Wireless Apple CarPlay, Wireless Android Auto, Dual Bluetooth, Wi-Fi
Dash Camera	Dual 2K (Front & Rear), Loop Recording, G-Sensor
Storage	Supports 32GB-256GB TF/SD Card (64GB included)
Waterproof Rating	IP67
Operating Temperature	-20°C to 70°C
Power Input	ACC+12V
Dimensions	8.56 x 3.89 x 4 inches
Item Weight	3.16 pounds

10. WARRANTY AND SUPPORT

WonVon provides a 12-month quality guarantee for this product. For technical assistance, troubleshooting, or warranty claims, please contact WonVon customer support.

- **Technical Support:** 24-hour online support is available.

- **Contact:** Refer to your purchase platform or the official WonVon website for specific contact details.