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Wonsidary W722TPMS

Wonsidary W722TPMS 7-inch Wireless CarPlay Motorcycle Screen User Manual

Model: W722TPMS | Brand: Wonsidary

1. Product Overview

The Wonsidary W722TPMS is a 7-inch wireless display designed for motorcycles, offering seamless integration with Apple CarPlay and Android Auto. It features a robust, waterproof design (IP67), real-time Tire Pressure Monitoring System (TPMS), dual Bluetooth connectivity, and a bright IPS touchscreen for optimal visibility in various conditions.

- **Wireless CarPlay & Android Auto:** Access navigation, calls, music, and apps directly from the 7-inch touchscreen.
- **Integrated TPMS:** Monitor tire pressure and temperature in real-time with two external sensors.
- **Dual Bluetooth Mode:** Connect to a Bluetooth helmet for audio and calls, while maintaining smartphone connection.
- **IP67 Waterproof:** Designed to withstand rain, dust, and varying weather conditions.
- **1000Nit IPS Touchscreen:** High brightness and resolution (1024x600) for clear visibility, with automatic brightness adjustment.
- **Voice Control:** Supports Siri and Google Assistant for hands-free operation.



Image 1.1: Overview of the Wonsidary W722TPMS display and its main features.

2. Setup and Installation

2.1 Package Contents

Before installation, verify that all components are present:

- 7-inch CarPlay Motorcycle Screen with TPMS
- 2 x TPMS Sensors
- 4 x Stackable Silicone Gaskets
- USB Power Cable
- ACC Power Cable
- ACC Fuse
- User Manual



Image 2.1: Detailed view of the package contents, including the screen, sensors, cables, and mounting hardware.

2.2 Mounting the Device

Follow these steps to securely mount the W722TPMS to your motorcycle handlebars:

1. Select the appropriate silicone pads based on your handlebar diameter (12mm, 22mm, 25.4mm, or 28mm). Stack them if necessary to achieve the correct thickness.
2. Attach the metal bracket to the handlebar using a screwdriver.
3. Secure the extension arm and tighten it with the anti-theft hexagonal screws (or butterfly nuts for quick release).
4. Insert the device onto the mount and adjust its position as desired. Tighten the adjustment ring to fix it.
5. Ensure all screws are tightened after adjusting the bracket and screen angle to prevent vibrations during riding.



Image 2.2: Visual instructions for mounting the display unit.

2.3 Power Connection

The W722TPMS offers two power options:

- **USB Power:** Connect the USB cable to a motorcycle USB port for portable use.
- **ACC Wired Installation:** For stable, permanent power, connect the ACC power cable directly to your motorcycle's battery (red wire to positive, black wire to negative) and the ACC terminal. Ensure the waterproof connectors are securely screwed.



Image 2.3: Power connection options: USB and direct ACC wiring.

2.4 TPMS Sensor Installation

Install the TPMS sensors to monitor your tire pressure:

1. Access the TPMS monitoring system interface on the screen.
2. Install the sensors marked "front" and "rear" onto their respective tire valves.
3. Align the sensors with the valve stems and tighten them clockwise.
4. After installation, tap "Pair" on the screen to connect the sensors.



Image 2.4: TPMS sensor installation and pairing guide.

3. Operating Instructions

3.1 Powering On/Off

The device will automatically power on when connected to power. To power off, disconnect the power source or use the designated power button if available (refer to the device interface for specific power-off options).

3.2 Wireless CarPlay Connection

To connect your iPhone to CarPlay wirelessly:

1. Open the CarPlay interface on the W722TPMS screen.
2. Activate Bluetooth on your iPhone.
3. On your iPhone, search for the Bluetooth device named "WONSIDARY-xxxx" and select it for pairing.
4. Confirm the pairing request on both devices (tap "Pair" and "Allow" on iPhone, then "Use CarPlay").
5. The connection is successful when the CarPlay interface appears on the screen.



Image 3.1: CarPlay wireless connection steps.

3.3 Wireless Android Auto Connection

To connect your Android phone to Android Auto wirelessly:

1. Open the Android Auto interface on the W722TPMS screen.
2. Activate Wi-Fi and Bluetooth on your Android phone.
3. On your phone, find available devices.
4. Add the new device "WONSIDARY-xxxx" and tap "Pair".
5. The connection is successful when the Android Auto interface appears on the screen.



Image 3.2: Android Auto wireless connection steps.

3.4 Dual Bluetooth Audio Modes

The device supports two Bluetooth audio modes for flexible connectivity:

- **BT Audio (iPlay/Auto):** In this mode, your phone connects directly to a Bluetooth headset or helmet for navigation voice prompts, calls, and music.
- **BT Trans:** In this mode, the Wonsidary device connects to a headset or helmet. This mode also enables audio playback from a TF card.



Image 3.3: Dual Bluetooth audio modes for flexible sound routing.

3.5 Voice Control

Utilize Siri or Google Assistant for hands-free control:

- Activate Siri or Google Assistant through the CarPlay/Android Auto interface.
- Use voice commands for navigation, making calls, sending messages, and playing music.



Image 3.4: Voice control for navigation and communication.

3.6 Media Playback from TF Card

The device supports multimedia playback directly from a TF card (up to 64GB), allowing you to enjoy videos, music, and images without relying on your phone. Ensure the device is in BT Trans mode for audio output.



Image 3.5: TF card media playback feature.

3.7 Equalizer (EQ) Settings

Adjust audio output with the integrated multiband equalizer to enhance your listening experience. Select from preset modes or customize settings.



Image 3.6: Multiband equalizer for audio customization.

3.8 Brightness Adjustment

The screen features an automatic light sensor for brightness adjustment. You can also manually adjust brightness for optimal day and night visibility.

3.9 Custom Boot Logo

Personalize your device by setting a custom boot logo. Refer to the device settings for instructions on uploading and selecting your preferred image.



Image 3.7: Custom boot logo feature.

4. Maintenance

4.1 Cleaning

To clean the screen, use a soft, lint-free cloth. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive materials, as they may damage the screen or casing.

4.2 Environmental Considerations

The W722TPMS is designed for outdoor motorcycle environments with IP67 protection. It operates stably in temperatures ranging from -20°C to 70°C. While resistant to rain and dust, avoid prolonged exposure to extreme conditions beyond its specified operating range.



Image 4.1: Device durability in various weather conditions.

5. Troubleshooting

5.1 Connection Issues

- **Device not connecting to CarPlay/Android Auto:** Ensure your smartphone meets the minimum requirements (iPhone with iOS 6+ for CarPlay, Android 11+ with 5GHz Wi-Fi for Android Auto). Verify that Bluetooth and Wi-Fi are enabled on your phone. Try restarting both the phone and the W722TPMS.
- **Bluetooth audio problems:** Check if the device is in the correct Bluetooth mode (BT Audio or BT Trans). Ensure your helmet/headset is paired correctly and within range.

5.2 Screen Visibility

- **Screen too dim or bright:** Check the automatic brightness sensor. Adjust brightness manually in the settings if needed.
- **Glare in direct sunlight:** While the screen has high brightness, extreme direct sunlight can still cause glare. Adjust the screen angle or use the integrated sun visor for better visibility.

5.3 TPMS Readings

- **No TPMS readings:** Ensure sensors are correctly installed and paired. Check battery levels of the sensors if applicable.

5.4 Compatibility Notes

Some Android phone models may not be fully compatible with wireless Android Auto. Refer to the device's compatibility list or contact support if you experience persistent issues.



Image 5.1: CarPlay/Android Auto requirements and incompatible devices.

6. Specifications

Feature	Specification
Model Number	W722TPMS
Display Size	7 inches
Resolution	1024x600 pixels
Brightness	1000 Nit
Waterproof Rating	IP67
Connectivity	Bluetooth, Wi-Fi
Compatible Devices	Smartphones (Android, iOS)
Special Features	Android Auto, Apple CarPlay, Voice Control, TPMS, Equalizer, Automatic Light Sensor
Power Input	USB, ACC
Operating Temperature	-20°C to 70°C

7. Warranty and Support

7.1 Warranty Information

Please refer to your purchase documentation or the retailer's website for specific warranty terms and conditions applicable to your Wonsidary W722TPMS device. Keep your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or service inquiries, please contact Wonsidary customer support through their official website or the contact information provided with your product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

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