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› Carpuride W502S Motorcycle GPS Wireless Carplay/Android Auto User Manual

Carpuride W502S

Carpuride W502S Motorcycle GPS Wireless Carplay/Android Auto User Manual

Model: W502S | Brand: Carpuride

1. PRODUCT OVERVIEW

The Carpuride W502S is a 5-inch high-definition IPS touchscreen device designed for motorcycles, offering seamless integration with Wireless Apple CarPlay and Android Auto. This system enhances your riding experience by providing access to navigation, phone calls, music playback, and messaging directly from your motorcycle's handlebars. It features built-in dual Bluetooth for connecting to both your smartphone and a Bluetooth-enabled helmet or headphones, ensuring a connected and safe journey. The W502S is built to withstand various riding environments with its IP67 waterproof rating and robust design.



Image 1.1: Carpuride W502S Motorcycle GPS unit with its components, including the main screen, mounting bracket, and power cables.

HD Wireless Portable Carplay For All Motorcycles

Full-featured, Make your operating experience more personalized

IOS / Android



Image 1.2: Overview of the Carpuride W502S's key features, including wireless CarPlay/Android Auto, dual Bluetooth, IP67 waterproofing, and a wired controller.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before beginning installation, please verify that all components are present in your package:

- 1x W502S Motorcycle Stereo Unit
- 1x BM05 Bracket & Metal Key
- 1x Wire Controller
- 1x Power Cable
- 1x USB Power Line

- 1x Spanner
- 1x Extension Rod Bracket
- 4x Silicone Gaskets (25.4mm, 28mm, 22mm, 12mm)
- 1x User Manual



Image 2.1: Detailed view of all items included in the Carpuride W502S product package.

2.2 Mounting the Device

The BM05 Universal Motorcycle Mount is designed for easy installation on various motorcycle models. The mount features a quick-release mechanism for convenient removal of the screen when not in use, enhancing security against theft. Use the provided spanner and silicone gaskets to secure the mount firmly to your motorcycle's handlebar.

2.3 Power Connection

The W502S can be powered via a 12-volt direct connection to your motorcycle's battery or through a 5-volt USB input. Ensure proper polarity when connecting to the battery (Red wire to positive terminal, Black wire to negative terminal). The power cable includes a fuse for protection.



Image 2.2: Wiring diagram for connecting the Carpuride W502S to your motorcycle's power supply.

2.4 Initial Bluetooth Setup

The W502S features dual Bluetooth connectivity, allowing you to pair your smartphone and a Bluetooth helmet or headphones simultaneously. This enables hands-free calls and music playback while riding.

1. **Smartphone Connection (for CarPlay/Android Auto):** Wirelessly connect your smartphone to the W502S via Bluetooth. Once connected, CarPlay or Android Auto will activate, providing access to your phone's features on the device screen.
2. **Audio Output to Helmet/Headphones:**
 - **Iplay/Auto Mode:** After successfully connecting your phone to CarPlay or Android Auto, go to 'Audio Output' on the W502S and select 'Iplay/Auto' mode. Your phone will then connect to your Bluetooth headset for audio. Remember to disconnect and delete the headset's connection records from the W502S screen when finished.
 - **BT Trans Mode:** Navigate to the 'Audio Output' menu and select 'BT Trans'. Turn on your cycling helmet's Bluetooth and search for it on the W502S. Pair the devices. Ensure your phone is not connected to the BT headset directly when using this mode.

2 Ways Setup Bluetooth Helmet

Iplay / Auto

1. Use your phone to connect CarPlay or Android Auto of Carpuride Screen and make sure the connection is successful.
2. Click "Audio Output" and select "Iplay/auto" mode.
3. Then, use your phone to connect your Bluetooth headset to play audio.
4. Make sure to disconnect and delete the Bluetooth headset connection records from Carpuride Screen.



BT Trans

1. Go to the "Audio Output" and enter the BT trans interface. Select BT trans, turn on the cycling helmet, and click on "BT search" to search for and pair with the cycling helmet or earphones.
2. Clicking the "Disconnect" button, and seeing "Connected" means the connection is successful.
3. When using BT trans output, make sure your phone is not connected to BT headset. If it is connected, disconnect and delete the pairing records from the BT headset in the phone's Bluetooth list.



Image 2.3: Instructions for connecting your Bluetooth helmet or headphones to the W502S.

3. OPERATING INSTRUCTIONS

3.1 Wireless CarPlay & Android Auto

Once your smartphone is connected, the W502S provides full access to Apple CarPlay or Android Auto functionalities. You can use voice commands (Siri or Google Assistant) or the touchscreen to control various applications.

- **Navigation:** Access map applications like Apple Maps, Google Maps, Waze, HERE maps, or Sygic for turn-by-turn directions.
- **Communication:** Make and receive phone calls, send and read text messages hands-free.
- **Music:** Play music from your smartphone's library or streaming services.

Wireless Apple CarPlay & Android Auto



Image 3.1: The W502S displaying Apple CarPlay and Android Auto interfaces.

GPS Navigation & Voice Control

You can use a voice assistant to control the navigation, make phone calls, play music and other operation commands.



Image 3.2: GPS Navigation and Voice Control features on the W502S.

3.2 Wired Controller

The included wired controller provides convenient access to essential functions without needing to touch the screen, enhancing safety while riding.

- **Answer/End Calls:** Use the controller to manage phone calls.
- **Screen On/Off:** Toggle the screen display.
- **Interface Switching:** Switch between the home page and the current active interface (e.g., CarPlay/Android Auto).

Note: When using an Android phone with the W502S, the cycle button on the wired controller may not support answering incoming calls.

Wired Controller

You can switch between home page and current interface by click the button of the wired controller. Can answer the phone.



Image 3.3: The wired controller for convenient operation while riding.

3.3 Display and Audio Settings

- **5" HD IPS Touch Screen:** The 800*600 resolution screen offers a clear and responsive touch experience with vibrant 65K colors and up to 1000nit peak brightness for visibility even in bright sunlight.
- **Built-in EQ:** Customize your audio experience with the built-in preset EQ or the user-customized 16-band HD EQ, featuring 12 adjustable frequency sections. You can enable/disable bass effects ('Loud' option) and select from various sound effect modes (rock, classical, jazz, etc.) when playing music via SD card or Bluetooth.

4. MAINTENANCE

4.1 Weather Resistance

The Carpuride W502S features a rugged, IP67 waterproof design, ensuring reliable performance in various weather conditions, from heavy rain to scorching sun. It operates flawlessly in temperatures ranging from -20°C to 80°C (-4°F to 176°F).

Fit for All Riding Environments

- ◆ Withstand all kinds of weather
- ◆ IP67 waterproof sunscreen design
- ◆ Anti-glare vehicle gauges screen
- ◆ Works between -4°F and 158°F

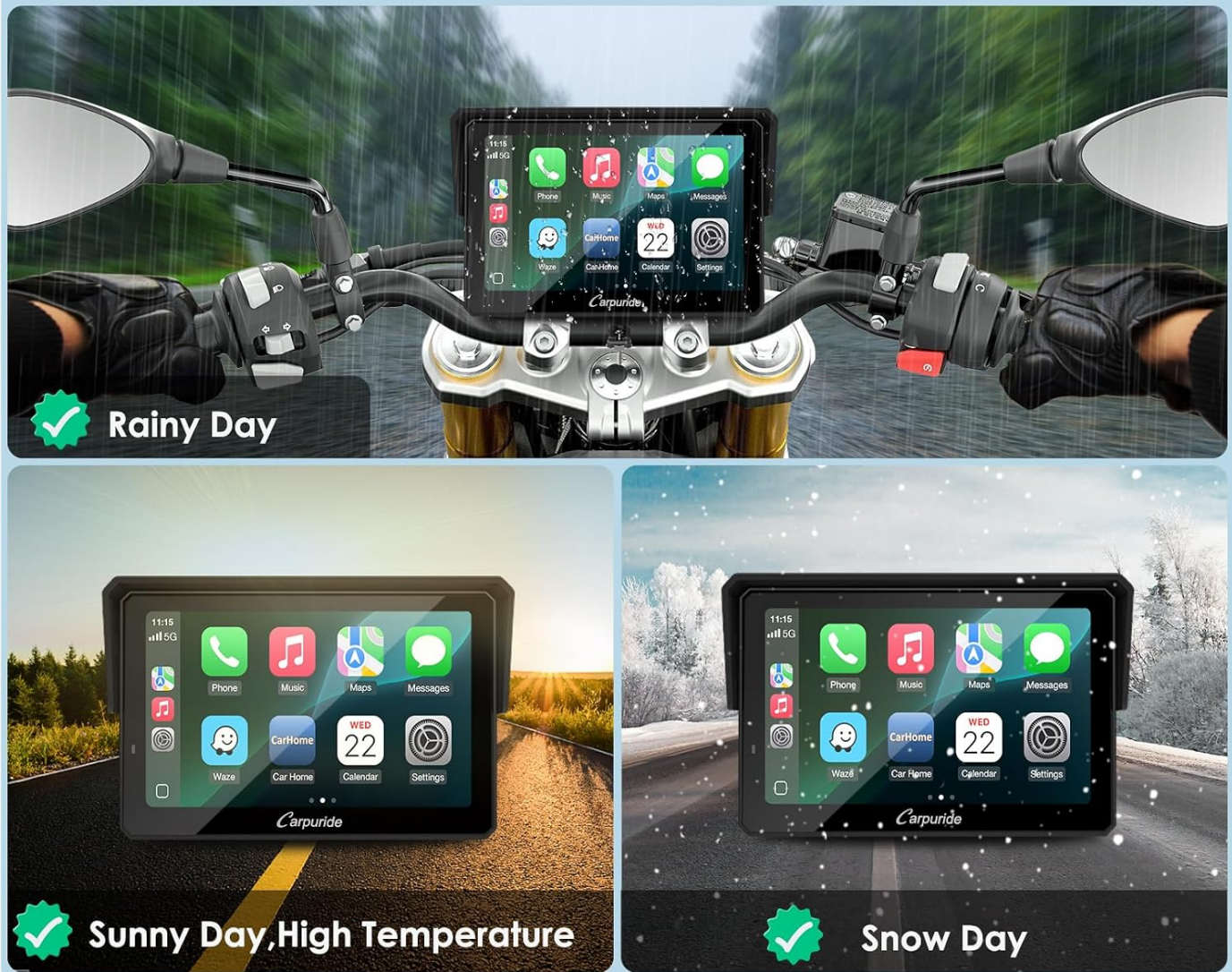


Image 4.1: The W502S's performance in various riding environments, including rain, sun, and snow.

4.2 Cleaning and Care

To maintain the clarity and responsiveness of the touchscreen, gently wipe it with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents, as these can damage the screen or casing. Ensure all ports are securely closed to maintain the IP67 waterproof rating.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Carpuride W502S.

Problem	Possible Cause	Solution
Device does not power on.	Incorrect power connection; Blown fuse; Low battery voltage.	Check power cable connections and polarity. Inspect the fuse in the power line and replace if necessary. Ensure motorcycle battery has sufficient charge.
Screen vibrates excessively or mount feels loose.	Mounting bracket not securely fastened or damaged.	Ensure all screws and clamps on the BM05 mount are tightened securely. Verify the mount itself is not damaged. If damage is present, contact support for replacement parts.
Bluetooth connection issues (phone or helmet).	Incorrect pairing mode; Interference; Device not discoverable.	Ensure both devices are in pairing mode. Check that the correct Bluetooth audio output mode (Iplay/Auto or BT Trans) is selected on the W502S. Try forgetting and re-pairing devices.
Wired controller turns off device unexpectedly.	Potential software or hardware anomaly.	Ensure firmware is up to date. If the issue persists, contact Carpuride technical support for assistance.
CarPlay/Android Auto not connecting.	Phone's Wi-Fi/Bluetooth off; App issues; Compatibility.	Ensure Wi-Fi and Bluetooth are enabled on your smartphone. Restart both the W502S and your phone. Verify your phone's operating system is compatible with the latest CarPlay/Android Auto versions.

6. SPECIFICATIONS

Feature	Detail
Model Number	W502S
Display Size	5 Inches
Resolution	800*600
Brightness	Up to 1000nit peak brightness
Waterproof Rating	IP67
Operating Temperature	-20°C to 80°C (-4°F to 176°F)
Connectivity	Wireless CarPlay, Wireless Android Auto, Dual Bluetooth, 5G WiFi
Power Input	12V DC (direct) or 5V USB
Item Weight	1.92 pounds

Feature	Detail
Product Dimensions	5.28 x 1.08 x 3.5 inches
Mounting Type	Handlebar Mount (BM05)
Included Components	Motorcycle stereo, BM05 mount, wired controller, power cables, spanner, extension rod, silicone gaskets, user manual

7. WARRANTY AND SUPPORT

Carpuride offers a **12-month warranty** and comprehensive technical support for the W502S GPS navigator. Your satisfaction is our top priority. For any questions or concerns, we are committed to providing a 100% satisfactory solution within 24 hours. Please contact our customer service team for assistance.

For support, please visit the official Carpuride website or refer to the contact information provided in 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question