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CARPURIDE W702RS Pro

CARPURIDE W702RS Pro Motorcycle CarPlay Screen User Manual

Model: W702RS Pro

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your CARPURIDE W702RS Pro Motorcycle CarPlay Screen. This device integrates wireless Apple CarPlay and Android Auto, a Blind Spot Detection (BSD) radar system, intercom functionality, and dual Bluetooth connectivity, all presented on a 7-inch waterproof touchscreen. Please read this manual thoroughly before use to ensure proper functionality and safety.

Product Overview

Key Features

- **Wireless CarPlay & Android Auto:** Seamless smartphone integration for navigation, calls, music, and messages via Siri or Google Assistant.
- **Blind Spot Detection (BSD) Radar:** Advanced millimeter-wave radar sensors detect vehicles in rear and side blind spots, providing visual and audible alerts for enhanced safety.
- **BM05 Mount:** Easy-to-install and detachable motorcycle mount compatible with various motorcycle models, designed for quick removal to prevent theft.
- **Dual Bluetooth Connectivity:** Connect two Bluetooth headsets simultaneously for music sharing and navigation between riders.
- **Intercom Function:** Supports communication between the main rider and co-rider within a 10-meter range.
- **Wired Controller:** Allows easy switching between home screen and current interface, answering/hanging up calls for safer operation.
- **Light Sensor:** Automatic screen brightness adjustment based on ambient light for eye protection and improved visibility.
- **IP67 Waterproof Rating:** Durable design ensures functionality in various weather conditions, including rain and direct sunlight.
- **Integrated Compass & Barometer:** Provides directional and atmospheric pressure information for outdoor riding.
- **7-inch HD IPS Touchscreen:** 1024x600 resolution, 65,000 vibrant colors, and 1000 nits maximum brightness for clear visuals.
- **Customizable Boot Logo:** Personalize the startup logo to match your motorcycle model.
- **TF Card Support:** Compatible with up to 64GB TF cards for media storage.

Package Contents

- 1 x CARPURIDE W702RS Pro Motorcycle CarPlay Screen
- 1 x Radar Detector
- 1 x BM05 Mount
- 1 x Power Cable
- 1 x USB Cable
- 1 x Wired Controller
- 1 x Spanner
- 1 x User Manual
- Silicone Gaskets (for mount adjustment)
- Extension Rod Bracket

Setup

Mounting the Device

The BM05 mount is designed for secure attachment to your motorcycle handlebars. Follow these steps for installation:

1. Select the appropriate thickness of silicone gaskets based on your handlebar diameter (12mm, 22mm, 25.4mm, or 28mm).
2. Fix the metal support to the handlebar using a Phillips screwdriver.
3. Fix the connecting rod to the metal support at the desired angle.
4. Attach the BM05 mount to the connecting rod's metal support and tighten the collar screws.
5. Insert the metal key into the slot, pushing it in until it locks. Turn the key left to unlock, then push it in and lock it.
6. Slide the CarPlay screen into the BM05 mount until it clicks into place.
7. Remove the metal key, release the slot, and secure the installation.

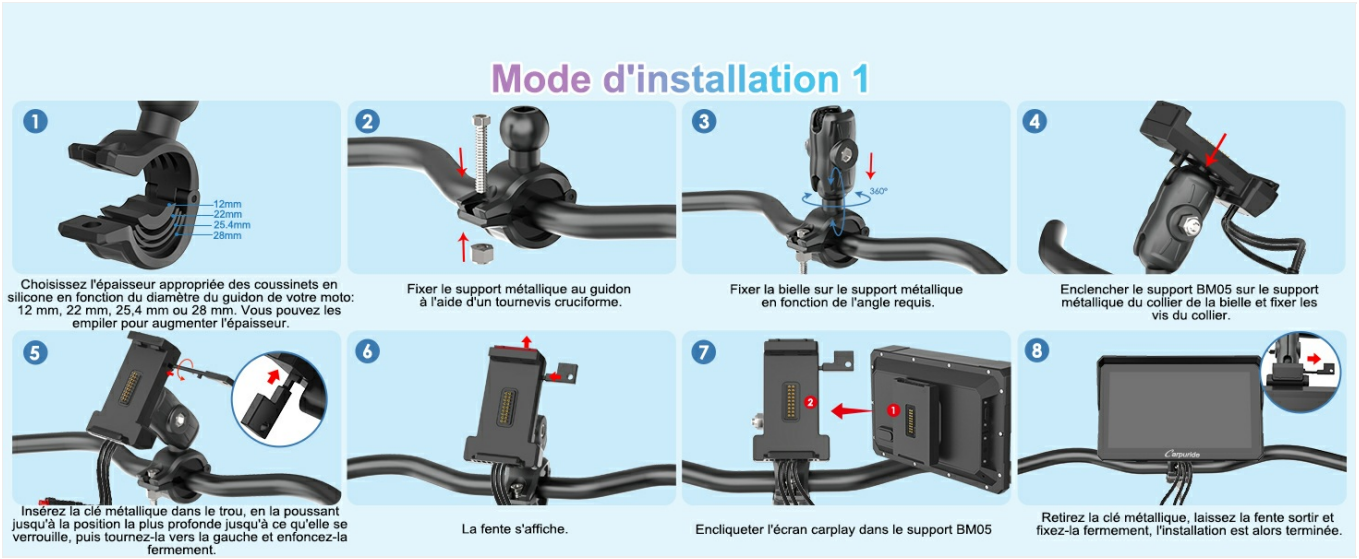


Image: Step-by-step guide for mounting the CARPURIDE W702RS Pro screen onto motorcycle handlebars using the BM05 mount.

Power Connection

There are two options for connecting power to your W702RS Pro:

1. **Direct Battery Connection:** Connect the power cable directly to your motorcycle's battery. Ensure the output voltage is 12V and current is 1A.
2. **USB Port Connection:** Plug the USB cable directly into your motorcycle's USB port. Ensure the USB port provides 5V and 3A or more. If the USB port delivers less than 5V, 3A, it is not recommended to use this method as insufficient power may cause the screen to shut down.

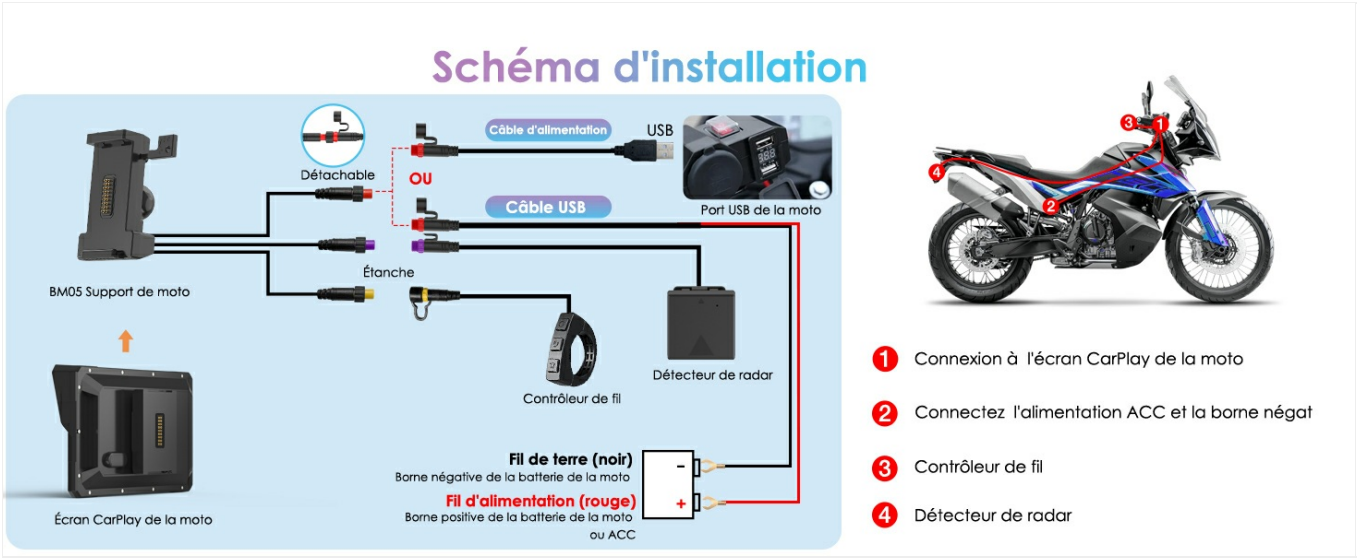


Image: Diagram illustrating the power connection options (battery or USB) and the wiring for the radar detector and wired controller.

Radar Detector Installation

To enable the Blind Spot Detection (BSD) feature, install the radar detector as follows:

1. Install the radar detector in the middle of the rear of the motorcycle, with the triangle pointing upwards. The inclination angle should be 120 degrees.
2. The radar detector should be installed on the motorcycle at a height of approximately 600 to 800 mm from the ground, with a margin of error of ± 100 mm.
3. First, install the radar detector, then connect its cable to the device, and finally, power on the unit.

Important: Do not disconnect or reconnect the radar detector cable when the device is powered on.



Image: Technical diagram detailing the horizontal and inclination angles for radar detector installation, along with visual steps.

Operation

Wireless CarPlay & Android Auto

The W702RS Pro supports wireless Apple CarPlay and Android Auto, allowing you to access navigation, calls, music, and messages from your smartphone.

Apple CarPlay Connection:

1. Open Apple CarPlay on your iPhone.

2. Your iPhone will search for and select the Wi-Fi network named "66666666" to connect.
3. Enter the password "66666666" and click "Join".
4. Confirm successful connection.
5. Enter CarPlay interface.



Image: Visual guide for connecting an iPhone to the CARPURIDE W702RS Pro via Apple CarPlay.

Android Auto Connection:

1. Open Android Auto on your smartphone.
2. Use Wi-Fi to find "carpuride-xxxx".
3. Enter the code "66666666".
4. Click "Yes" for successful connection.
5. Enter Android Auto interface.

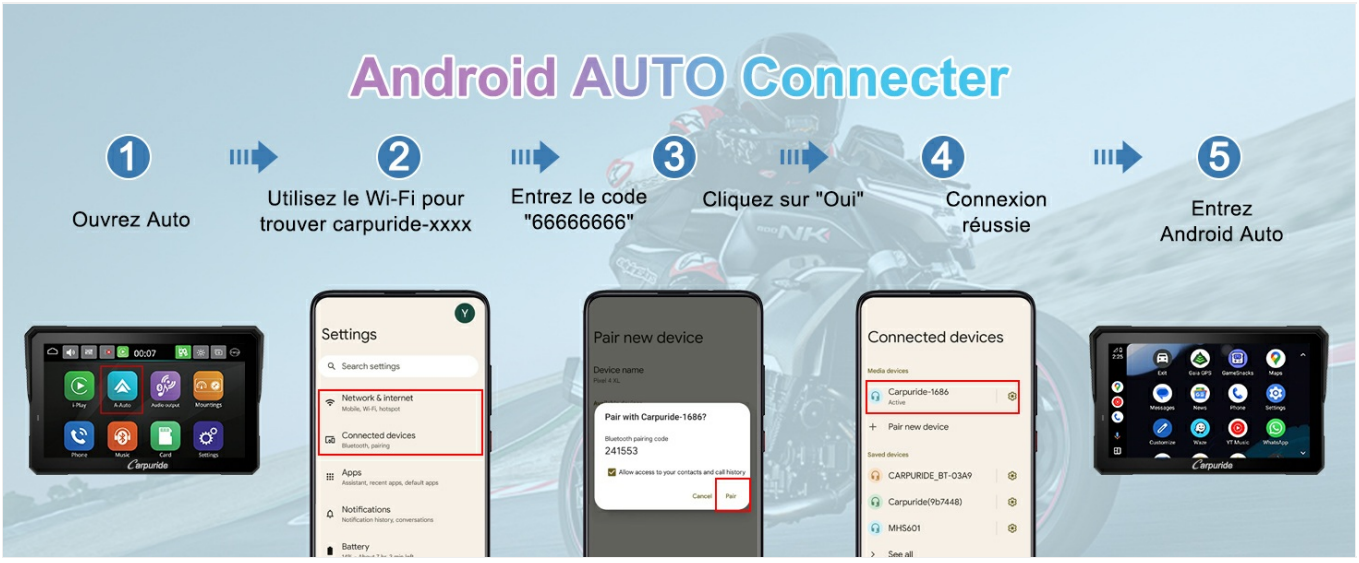


Image: Visual guide for connecting an Android phone to the CARPURIDE W702RS Pro via Android Auto.

Compatibility Notes:

- For Apple CarPlay, an iPhone 6 or later running iOS 13 or higher is required. Ensure Siri is activated.
- For Android Auto, an Android phone supporting 5GHz Wi-Fi and running Android 11 or higher is required. Google Assistant must be up to date.
- **Incompatible Models:** Samsung Note and S series, Huawei, and Xiaomi series are not compatible.
- Some applications may not be compatible with Apple CarPlay or Android Auto due to agreements with Apple and Google. Use applications that have such agreements.

Dual Bluetooth & Intercom Function

The W702RS Pro features enhanced dual Bluetooth technology (BT Trans) for connecting multiple headsets and enabling intercom communication.

Connecting One Headset (Single Person Mode):

1. Access the "Audio Output" icon on the home page and enter the BT Transmission interface.
2. Select BT 1, turn on your helmet Bluetooth or earphones, and search for "Carpuride Moto BT" to pair.
3. Click the "Disconnect" button. "Connected" indicates a successful connection. If your phone is not connected via BT, disconnect and delete any existing headset pairing records from your phone's Bluetooth list.

Connecting Two Headsets (Two Person Mode):

Simultaneously connect two Bluetooth headsets to the W702RS Pro via BT Trans to share music and navigation between two riders. Voice commands and phone calls can only be transmitted via Bluetooth 1. It is recommended that the main rider connects to Bluetooth 1.

1. Connect to BT 1 and BT 2 simultaneously. Music and audio can be shared, but calls and voice assistant diffusion can only be done via BT 1.
2. To use the intercom function, connect to BT 1 and BT 2 simultaneously, then click the Intercom icon on the home page.



Image: Visual instructions for connecting one or two Bluetooth headsets to the device for audio and intercom.

Intercom Usage:

The effective Bluetooth distance for intercom is approximately 10 meters, primarily for communication between the main rider and co-rider on the same motorcycle.

1. First, click the "Audio Output" icon on the home page, then select "BT Trans" mode to connect Bluetooth 1 and 2 simultaneously.
2. Next, click the "Intercom" icon on the home page to activate intercom mode. Both Bluetooth 1 and 2 can then make calls.

Note:

- If connecting only one headset, connect to BT 1. BT 1 is the default main connection.
- Intercom mode and BT Trans mode cannot be used simultaneously. Activating intercom mode will automatically pause music playback in BT Trans mode. Music playback will resume automatically once intercom mode ends.



Image: Screen interface demonstrating the intercom function and music sharing capabilities for two riders.

Blind Spot Detection (BSD) Radar

The advanced millimeter-wave radar sensors detect vehicles in your rear and side blind spots in real-time, eliminating blind zones and improving rider safety. When the radar alert is active, if an obstacle is detected, a flashing yellow or red border will appear on the left or right of the screen, accompanied by an audible signal, prompting the rider to be vigilant. This system assists in changing lanes or avoiding vehicles in blind spots.



Image: Visual representation of the BSD system detecting vehicles in blind spots and displaying alerts on the screen.

Alert Levels:

- **Warning (3-10m):** Flashing yellow border with a soft audible signal.
- **Critical (≤3m):** Flashing red border with a rapid and strong audible signal.



Image: Display of rear collision warning alerts on the screen, indicating proximity with visual and audible cues.

Wired Controller

The CARPURIDE W702RS Pro is equipped with a wired controller for convenient and safe operation while riding.

- **Cycle Button:** Short press to answer calls. Press and hold for more than 5 seconds to power on/off the device.
- **Phone Button:** Short press to hang up calls.
- **Home Button:**
  - When connected to Apple CarPlay, a short press on the HOME button switches between the main screen and CarPlay.
  - Press and hold for more than 5 seconds to lock the screen (touch function is disabled). Press and hold again for 5 seconds to unlock. (In heavy rain, use the screen lock button to prevent accidental touches from water droplets).



Image: Illustration of the wired controller mounted on handlebars, detailing the functions of its cycle, phone, and home buttons.

Light Detection Sensor

The integrated light sensor automatically adjusts the screen's brightness according to ambient light conditions. This feature protects your eyes and enhances safety by ensuring optimal screen visibility in varying light environments, from bright sunlight to nighttime.



Image: Visual explanation of the light detection feature, demonstrating how the screen brightness adapts for day and night riding.

Compass & Barometer

When riding outdoors, especially in unfamiliar terrain, the integrated compass and barometer functions provide useful information. The compass helps you maintain your direction, while the barometer provides atmospheric pressure readings, which can be indicative of altitude changes. These features contribute to a safer and more informed riding experience.



Image: Screenshots of the device interface displaying compass and barometer readings during motorcycle travel.

Media Playback (TF Card)

The W702RS Pro supports a 64GB TF card, allowing you to store and play your favorite music or videos directly from the device. This provides entertainment options during your journeys without relying solely on smartphone connectivity.



Image: The device screen showing video playback from a TF card, with various media content thumbnails in the background.

Maintenance

Cleaning and Care

- Regularly wipe the screen with a soft, lint-free cloth. Avoid abrasive materials or harsh chemicals.
- Ensure all ports and connections are free from dust and debris.
- When not in use, especially for extended periods, detach the screen from the mount and store it in a safe, dry place to prevent theft and damage.

Waterproofing (IP67)

The W702RS Pro is designed with an IP67 waterproof rating, meaning it is protected against dust ingress and immersion in water up to 1 meter for 30 minutes. This allows for reliable operation in rain or other wet conditions. However, avoid prolonged submersion or high-pressure water jets, which could compromise the seals.

Troubleshooting

Common Issues and Solutions

- **Screen Shuts Down Unexpectedly:** Ensure the power connection provides sufficient voltage and current. If using USB, verify it delivers 5V, 3A or more.
- **Radar Alert Sound Not Emitting:** Check the device settings to ensure the radar alert sound is activated. Disabling this setting will prevent audible alerts.
- **Radar Detector Not Functioning:** Ensure the radar detector is correctly connected and the device is powered off before connecting/disconnecting the radar cable. If the radar alert sound option is not displayed, the radar detector and the Carpuride device are not correctly connected. Power off the Carpuride and reconnect the radar detector.
- **CarPlay/Android Auto Not Connecting:** Verify your smartphone's compatibility (iPhone 6+ / iOS 13+ for CarPlay; Android 11+ / 5GHz Wi-Fi for Android Auto). Ensure Siri/Google Assistant is active. Note that Samsung Note/S series, Huawei, and Xiaomi phones are not compatible.
- **Certain Apps Not Working:** Some applications may not be compatible with Apple CarPlay or Android Auto due to licensing agreements. This is not a product defect.
- **Intercom Not Working:** Ensure both headsets are connected via BT Trans mode. Remember that BT 1 is the primary connection for calls and voice assistants.

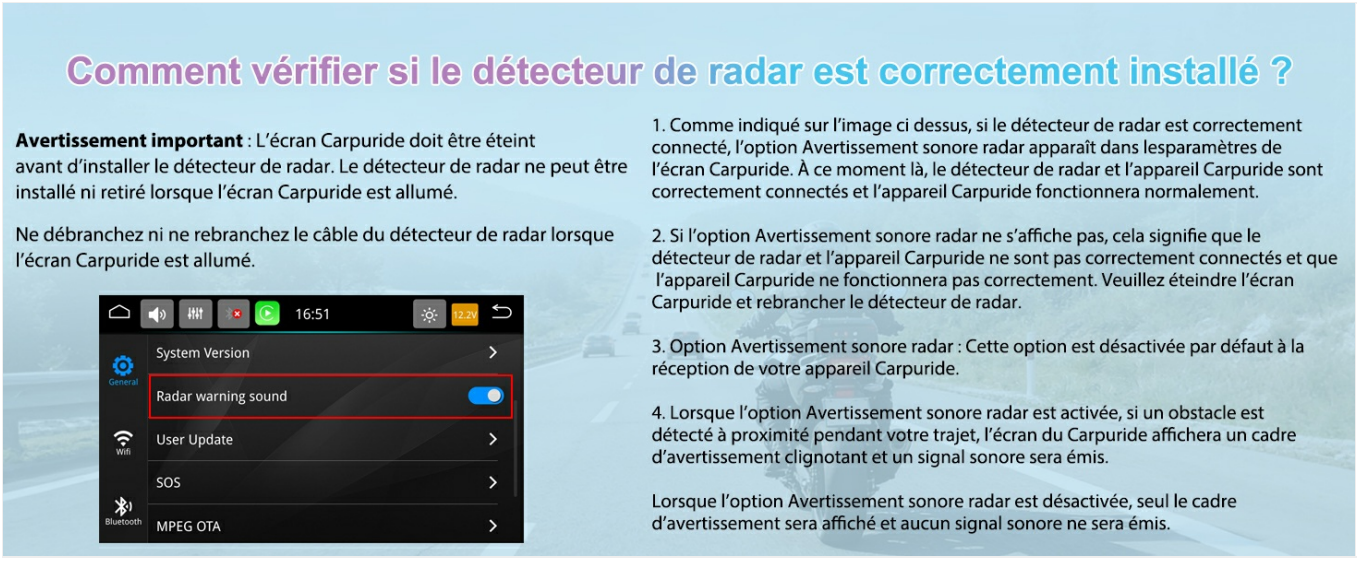


Image: Screenshot of the device's system settings, highlighting the option to enable or disable the radar warning sound.

Specifications

Feature	Specification
Brand	CARPURIDE
Model Name	W702RS Pro
Screen Size	7 Inches
Screen Resolution	1024 x 600
Display Type	LCD
Touchscreen Type	Capacitive
Connectivity Technology	Bluetooth, Wi-Fi
Compatible Devices	Smartphone (iOS/Android)
Control Method	Touch, Voice (Siri/Google Assistant), Wired Controller
Mounting Type	Handlebar Mount (BM05)
Waterproof Rating	IP67
Operating Temperature	-20 °C to 70 °C
Memory Storage Capacity	64 GB (TF Card)
Supported Satellite Navigation	GPS
Audio Output Mode	Stereo
Item Weight	850 Grams
Dimensions (L x W x H)	17.8L x 17.8W x 17.8H centimeters

Warranty & Support

Warranty Information

The CARPURIDE W702RS Pro comes with a 1-year warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact CARPURIDE customer support. Refer to the contact information provided in the packaging or on the official CARPURIDE website.

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

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

Submit question

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