

CARPURIDE W603D

Carpuride W603D Motorcycle GPS Screen User Manual

MODEL: W603D

Brand: CARPURIDE

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Carpuride W603D Motorcycle GPS Screen. Designed for enhanced navigation and connectivity on your motorcycle, this device features wireless CarPlay and Android Auto, dual HD cameras for recording, and a robust waterproof design. Please read this manual thoroughly before use to ensure proper functionality and safety.

Product Overview

The Carpuride W603D is a versatile motorcycle display unit equipped with advanced features for a connected riding experience.

- **6.3-inch HD IPS Touch Screen:** High-definition display with 1560 x 720 resolution and up to 1000 nit brightness for clear visibility even in direct sunlight.
- **Wireless CarPlay & Android Auto:** Seamless integration with your smartphone for navigation, calls, and music.
- **Dual HD 1080P Cameras:** Front and rear 140° wide-angle cameras for DVR loop recording, enhancing driving safety. Includes a 64GB TF card.
- **BT Audio Connectivity:** Connect to your Bluetooth headset or helmet for hands-free calls and music playback.
- **IP67 Waterproof & Anti-theft Design:** Robust construction ensures reliable performance in various weather conditions (-20°C to 80°C).
- **Wired Controller:** Allows switching between camera views, home screen, and current interface, as well as answering calls, taking photos, and locking video.
- **Easy Installation:** Comes with mounting kits and tools for secure attachment to motorcycle handlebars.

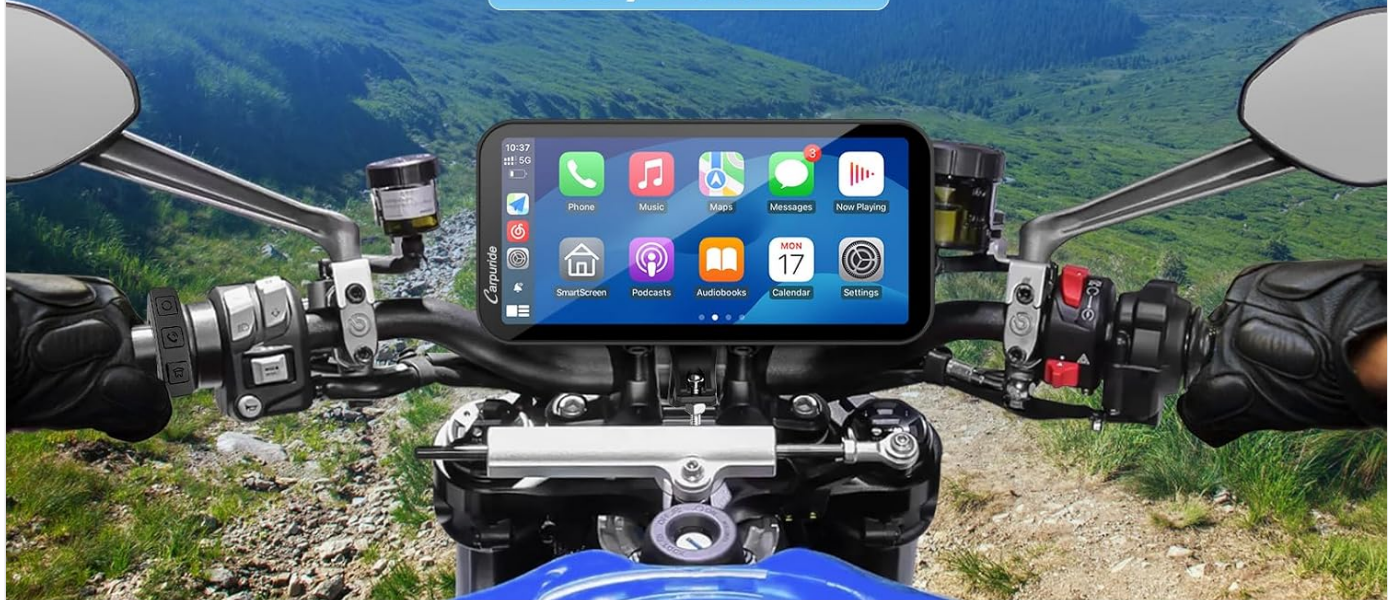


Figure 1: Carpuride W603D main unit, dual cameras, wired controller, and mounting bracket.

6.3 inch HD Wireless Portable Motorcycles Carplay

Full-featured, Make your operating experience more personalized

IOS / Android



Apple Carplay



Android Auto



Bluetooth



Dual Recording



1080 HD



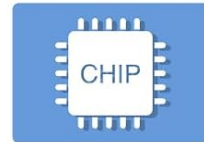
IP67 Waterproof



Capacitive touch



TF/SD Card



Built-in 5G Chip



Free online update

Figure 2: Key features of the Carpuride W603D, including wireless CarPlay/Android Auto, dual recording, and IP67 waterproofing.

Go Confidently Into Every Ride



IP67 Waterproof



Sunscreen Design



Snow Days



Figure 3: The W603D's durability in various weather conditions, highlighting its IP67 waterproof rating and temperature resistance.

Setup and Installation

Follow these steps to properly install your Carpuride W603D unit on your motorcycle.

1. Mounting the Unit:

- Choose appropriate silicone pads based on your motorcycle's handlebar diameter (15mm, 20mm, 22mm, 25.4mm, or 28mm).
- Attach the metal mount to the handlebar using a Phillips screwdriver.
- Clamp the connecting rod to the metal mount.
- Insert the device and adjust its position as desired. Tighten the adjustment ring to secure. The mount allows for 360° adjustment.

2. Power Connection:

- The W603D is powered by connecting the power cord directly to your motorcycle's battery.
- Connect the red power wire to the motorcycle battery's positive terminal.
- Connect the black ground wire to the motorcycle battery's negative terminal.
- *Note:* The Type-C port on the W603D is for manufacturer software debugging only and does not support powering the screen. USB boost cable power is not supported.

3. Camera and Wired Controller Connection:

- Connect the front camera cable to the designated port on the W603D.
- Connect the rear camera cable to its designated port.
- Connect the wired controller cable to its port. The wired controller is detachable.



Figure 4: Detailed wiring and mounting instructions for the Carpuride W603D.

Operating Instructions

Learn how to use the various functions of your Carpuride W603D.

Wireless CarPlay and Android Auto

Connect your smartphone wirelessly to access navigation, calls, and music directly on the W603D screen.

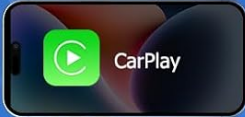
- **For Wireless CarPlay:** Requires an iPhone running iOS 6 or above, CarPlay system support, and Siri enabled.
- **For Wireless Android Auto:** Requires a phone that supports 5GHz Wi-Fi, running Android 11 or above, and the latest Android Auto app version.
- Pair your phone to the W603D via Bluetooth, then the unit will prompt you to connect via Wi-Fi for CarPlay/Android Auto functionality.

iPhone and Android phone Compatibility

CarPlay

To use wireless CarPlay, you need to meet the following requirements:

- An iPhone running iOS 6 or above.
- It also requires the CarPlay system and the
- iPhone's voice system to be turned on.
- Please check if Siri is enabled.



Android

To use wireless Android Auto, you need to meet the following requirements:

- A phone that supports 5GHz Wi-Fi
- A phone running Android 11 or above.
- A phone that supports the Android Auto app and please update the latest version.



Not

- Not perfectly compatible with Samsun Note as well as S series.
- Before purchasing, please make sure your phone supports wireless Carplay or wireless Android Auto.

Android Incompatible Phone Models

OnePlus Nord 2T, OnePlus Nord CE2 5G, oppo CPH2161, oppo A16S, Oppo Reno 2, oppo RENO2 Z, Samsung S23, Samsung note 20, Samsung S20, Samsung m22, Samsung S23 Ultra, Galaxy A20 (model SM-A205g), Huawei p30, Huawei p30 pro, Huawei P40 Pro, Huawei P20 Pro, Huawei P20, Huawei P30 lite MAR-LX1A, Huawei Mate 20, Huawei Mate 20 pro, Huawei P smart 2019 - POT-LX1, Huawei nova 5t, Huawei MATE LITE 10, Honor 90, Xiaomi 11 lite, Xiaomi 12 pro, redmi 9, Xiaomi 9



Figure 5: Compatibility requirements for wireless CarPlay and Android Auto.

BT Audio

Enhance your riding experience with Bluetooth audio connectivity.

1. Connect your phone to your Bluetooth headset or helmet.

2. After your phone is connected to the W603D via Bluetooth, you can enter CarPlay or Android Auto and play audio or make calls through your BT headsets or helmets.
3. *Note:* Ensure your Bluetooth headset or helmet has microphones for phone calls and voice controls.

BT Audio

1. Connect your phone to the headset or helmet via Bluetooth.
2. After the mobile phone is connected to W603D via Bluetooth.
3. Enter CarPlay or Android Auto and play audio or call through BT headsets or helmets.



Note: Make sure your Bluetooth headset or helmet have microphones for phone calls and voice controls

Wired Controller

You can switch between rear camera screen, home page and current interface by click the button of the wired controller. Can answer the phone, take pictures, lock up video.



Figure 6: BT Audio connection process and wired controller overview.

Wired Controller Functions

The wired controller provides convenient access to key functions without touching the screen.

- Switch between rear camera screen, home page, and current interface by clicking the button.
- Answer phone calls.
- Take photos.
- Lock video recordings.
- *Note:* When an Android phone is connected to the W603D, the cycle button does not support answering incoming calls.

Dual Camera DVR Loop Recording

The integrated dual cameras provide continuous recording for safety and documentation.

- Equipped with HD 1080P 30FPS 140° wide-angle front and rear cameras.
- Supports split-screen display for simultaneous viewing of front and rear camera feeds.
- Includes a 64GB TF card. When the card is full, it automatically deletes older videos to continue recording (loop recording).

Moto Dual Cam Loop Recording



30FPS



140° Wide Angle



Waterproof IP67



Wired Connection



Front + Rear Cam Split Screen



Front Cam



Back Cam



Figure 7: Features of the dual camera system, including loop recording and split-screen view.

Voice Control

Utilize voice commands for hands-free operation.

- Supports Google Voice and Siri for full control without releasing the handlebars.
- Wake up navigation, make calls, and control music using voice commands.

The Phone Features Free Your Hands



Figure 8: Hands-free operation using voice commands for various phone functions.

Maintenance

Proper care and maintenance will ensure the longevity of your Carpuride W603D.

- **Waterproof Design:** The IP67 rating ensures protection against dust and water immersion. No special maintenance is required for waterproofing, but avoid prolonged submersion.
- **Temperature Range:** The unit is designed to operate perfectly in temperatures ranging from -20°C to 80°C. Avoid storing or operating outside this range.
- **TF Card Usage:** The included 64GB TF card is primarily for loop recording videos and images. It does not support software upgrades.
- **Software Updates:** To update the software, use a smaller capacity TF card (4GB, 8GB, 16GB, or 32GB). Do not use the 64GB accessory card for software updates.
- **Cleaning:** Use a soft, damp cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.

Troubleshooting

This section addresses common issues you might encounter.

- **Unit Not Powering On:**
 - Ensure the power cord is correctly connected to the motorcycle battery's positive and negative terminals.
 - Verify the motorcycle battery has sufficient charge.
 - Remember, the Type-C port does not provide power to the unit.
- **CarPlay/Android Auto Connection Issues:**
 - Check your phone's compatibility (iOS 6+ for CarPlay, Android 11+ with 5GHz Wi-Fi for Android Auto).
 - Ensure Bluetooth is enabled on both the phone and the W603D.
 - Confirm Wi-Fi is enabled on your phone for the CarPlay/Android Auto connection.
 - For CarPlay, ensure Siri is enabled on your iPhone.
 - Some Android phone models may not be perfectly compatible (refer to Figure 5 for a list of known incompatible models).
- **Wired Controller Not Answering Calls (Android):**
 - This is a known limitation: the wired controller's cycle button does not support answering incoming calls when an Android phone is connected.
- **TF Card Full / Recording Stops:**
 - The unit features loop recording, automatically overwriting the oldest files when the 64GB TF card is full. This is normal operation.
- **Software Update Issues:**
 - Ensure you are using a smaller capacity TF card (4GB, 8GB, 16GB, or 32GB) for software updates. The 64GB accessory card is not supported for this purpose.

Specifications

Feature	Specification
Brand	CARPURIDE
Model Name	W603D
Vehicle Service Type	Motorcycle
Screen Size	6.3 Inches
Special Feature	Android Auto, Touch Screen, Apple CarPlay, Voice Control, GPS Navigation
Connectivity Technology	Bluetooth, Wi-Fi
Map Type	Street

Feature	Specification
Included Components	W603D Unit, Power Cable, Front Camera, Rear Camera, Wire Controller, 64G TF Card, Sunshade, Extension Rod Bracket, Silicone Gasket, User Manual
Audio Output Mode	Stereo
Mounting Type	Handlebar Mount
Camera Resolution	HD 1080P 30FPS (Front & Rear)
Camera Angle	140° Wide Angle
Waterproof Rating	IP67
Operating Temperature	-20°C to 80°C

Wider Compatible



Packing Included



Figure 9: Dimensions and included components of the Carpuride W603D package.

Warranty and Support

Carpuride is committed to providing excellent customer service and product support.

- **Warranty:** We offer 12 months of technical support for the GPS navigator.
- **Customer Satisfaction:** Your satisfaction is our top priority. We aim to provide a 100% satisfactory solution within 24 hours for any questions or concerns you may have.
- **Customization:** We provide personalized startup logos. You can send us images you wish to customize as your startup logo.

For support, please contact Carpuride customer service through the official channels provided at the time of purchase or on the 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