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› Carpuride W603 Motorcycle CarPlay Screen User Manual

CARPURIDE 603F

Carpuride W603 Motorcycle CarPlay Screen User Manual

Model: 603F

1. INTRODUCTION

Thank you for choosing the Carpuride W603 Motorcycle CarPlay Screen. This device is designed to enhance your riding experience by bringing smart connectivity directly to your motorcycle. With wireless CarPlay and Android Auto, a waterproof touchscreen, and intuitive controls, you can safely access navigation, music, calls, and more while on the road. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.



Figure 1.1: Carpuride W603 Motorcycle CarPlay Screen and its components.

2. KEY FEATURES

- **Wireless CarPlay and Android Auto:** Seamlessly connect your smartphone wirelessly to access navigation, calls, music, and voice assistants (Siri/Google Assistant) directly from the screen.
- **BT Audio Connectivity:** Pair the W603 with your smartphone and Bluetooth-enabled headset or helmet for wireless calls and music playback, keeping your phone safely stored.
- **IP67 Waterproof & Anti-theft Design:** Built to withstand various weather conditions (IP67 rated) and features a robust, anti-theft detachable bracket for security. Operates reliably from -200C to 800C.
- **Digital Wired Controller:** Includes a wired controller for easy navigation between the home screen and current interface, and for answering calls. Features a screen lock function to prevent accidental touches in heavy rain.
- **6.3-inch HD IPS Touchscreen:** A brilliant 1560x720 resolution display with 65K colors and up to 1000 Nit peak brightness for clear visibility, even in direct sunlight.
- **Light-sensitive Brightness Adjustment:** Automatically adjusts screen brightness based on ambient light for eye protection and safer riding.
- **Flexible Power Requirements:** Can be powered by motorcycle battery (12V, 1A output) or USB cable (5V, 2.5A or greater).
- **Hassle-free Installation:** Comes with comprehensive mounting kits (ring and square brackets) and tools for stable and secure attachment to your motorcycle handlebars.

6,3 Zoll HD-Carplay für Motorradfahrer mit Kabel

Voll ausgestattet, machen Sie Ihr Fahrerlebnis persönlicher

IOS / Android



Apple Carplay



Android Auto



Bluetooth



Kabelgebundene
Verbindung



1080 HD



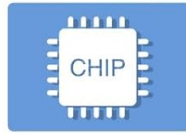
IP67 wasserdicht



Kapazitive Berührung



TF/SD-Karte



Integrierter 5G-Chip



Kostenloses
Online-Update

Figure 2.1: Visual representation of Carpuride W603 key features.

3. PACKAGE CONTENTS

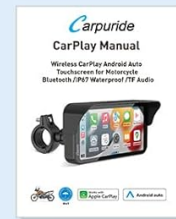
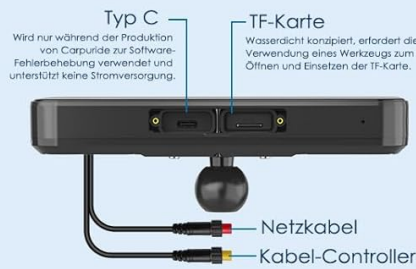
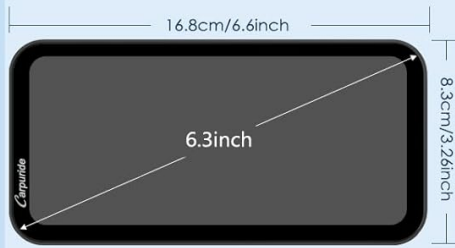
Please verify that all items are present in the package:

- W603 Moto CarPlay Screen (x1)
- Sun Visor (x1)
- Square Bracket (x1)
- Extension Rod Holder (x1)
- Silicone Gaskets (various sizes: 28mm, 22mm, 18mm, 12mm)
- USB Cable (x1)
- Power Cable (x1)
- Wired Controller (x1)
- User Manual (x1)

Breiter kompatibel



Verpackung enthalten



Benutzerhandbuch



Sonnenschirm



Quadratische Halterung



USB-Kabel



Stromkabel



Kabel Controller



Verpackungsbox



Verlängerungsstangenhalterung



Silikondichtung

Figure 3.1: Contents of the Carpuride W603 package.

4. SETUP AND INSTALLATION

The Carpuride W603 offers flexible installation options to suit various motorcycle handlebars. Follow these steps for proper mounting and wiring.

4.1. Mounting the Device

Two primary mounting methods are available: Ring Mount and Square Mount.

4.1.1. Ring Mount Installation

1. Select the appropriate silicone gasket based on your motorcycle's handlebar diameter (12mm, 18mm, 22mm, or 28mm). Attach it to the metal mounting bracket.
2. Clamp the connecting rod onto the metal mounting bracket securely.
3. Insert the device into the mount and adjust its position as desired. Tighten the adjustment ring to secure it.
4. Ensure the installation is complete and stable.

4.1.2. Square Mount Installation

1. Choose the suitable silicone gasket based on your motorcycle's handlebar diameter. For diameters up to 12mm or 18mm, use the provided gaskets. If not applicable, use up to 22mm.
2. Align and tighten the screws and nuts of the bracket to securely fasten it to the motorcycle handlebar.
3. Align the grooves on the connection point of the motorcycle bracket and insert the device. Then, secure it with screws.
4. Ensure the installation is complete and stable.

Installationsmodus für Ringhalterungen



1

12mm
22mm
25.4mm
28mm

Wählen Sie die passende Dicke der Silikonpolster basierend auf dem Durchmesser Ihres Motorrads. Befestigen Sie die Metallhalterung am Lenker.



2

360°

Klemmen Sie die Verbindungsstange an die Metallhalterung.



3

360°

Setzen Sie das Gerät ein und stellen Sie die Position nach Wunsch ein. Ziehen Sie den Einstellring fest, um es zu sichern.



4

Die Installation ist abgeschlossen.

Installationsmodus für quadratische Halterungen



1

22mm
18mm
12mm

Wählen Sie die geeignete Dicke der Silikonpolster basierend auf dem Durchmesser Ihres Motorrads. Verwenden Sie das Silikonpolster, das bis zu 12 mm oder 18 mm gestapelt werden kann. Bei Nichtgebrauch kann es bis zu 22 mm hoch sein.



2

Richten Sie die Schrauben und Muttern der Halterung aus und ziehen Sie sie fest, um sie am Motorradlenker zu befestigen.



3

Richten Sie die Nuten an der Anschlussstelle der Motorradscheibhalterung aus und setzen Sie sie ein. Ziehen Sie sie dann mit Schrauben fest.



4

Die Installation ist abgeschlossen.

Figure 4.1: Ring Mount and Square Mount Installation Steps.

4.2. Wiring the Device

The Carpuride W603 can be powered via the motorcycle battery or a USB cable.

4.2.1. Power Cable Connection (Motorcycle Battery)

Connect the red power cable to the positive terminal of your motorcycle battery and the black ground cable to the negative terminal. Ensure the output voltage and current are 12V, 1A.

4.2.2. USB Cable Connection

If using a USB cable, ensure the voltage and current are greater than 5V, 2.5A. Connect the USB cable to a suitable power source on your motorcycle.



Figure 4.2: Power Cable and USB Cable Wiring Diagram.

5. OPERATING INSTRUCTIONS

Learn how to use the Carpuride W603 for seamless connectivity and control.

5.1. Wireless CarPlay Connection

1. Turn on the Carpuride W603.
2. On your iPhone, go to Settings > Bluetooth and search for the device named "carpuride-xxxx" to pair.
3. Confirm the pairing request on both devices.
4. Once connected, CarPlay will launch automatically on the W603 screen.



Figure 5.1: Wireless CarPlay Connection Steps.

5.2. Wireless Android Auto Connection

1. Turn on the Carpuride W603.
2. On your Android phone, open the Android Auto app and search for available devices.

3. Select "carpuride-xxxx" from the list and confirm the pairing.
4. Once connected, Android Auto will launch automatically on the W603 screen.



Figure 5.2: Wireless Android Auto Connection Steps.

5.3. BT Audio Connection

1. Connect your phone to your Bluetooth headset or helmet.
2. After your phone is connected to the W603 via Bluetooth, open CarPlay or Android Auto.
3. Audio will now play through your BT headset/helmet, and you can make/receive calls.

Note: Ensure your Bluetooth headset or helmet has microphones for phone calls and voice control.

BT Audio

1. Verbinden Sie Ihr Telefon über Bluetooth mit dem Headset oder Helm.
2. Nachdem das Mobiltelefon über Bluetooth mit W603 verbunden wurde.
3. Rufen Sie CarPlay oder Android Auto auf und spielen Sie Audio ab oder rufen Sie über BT-Headsets oder -Helme an.



Hinweis: Stellen Sie sicher, dass Ihr Bluetooth-Headset oder -Helm über Mikrofone für Telefonanrufe und Sprachsteuerung verfügt.

Kabelansluten styrenhet

Sie können zwischen der Startseite und der aktuellen Schnittstelle wechseln, indem Sie auf die Schaltfläche des kabelgebundenen Controllers klicken. Sie können Anrufe entgegennehmen.



Figure 5.3: BT Audio Connection Flow.

5.4. Wired Controller Functions

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

- **Cycle Button:** Short press to answer an incoming call. Press and hold for 5 seconds to turn the device on/off.
- **Phone Button:** Short press to hang up a call.
- **Home Button:**
 - When connected to Apple CarPlay, short press to switch between the main screen and the CarPlay interface.
 - Press and hold for 5 seconds to lock the screen (disables touch function). This prevents accidental touches in heavy rain. Hold for another 5 seconds to unlock.

Note: When using an Android phone connected to the Carpuride W603, the cycle button does not support answering incoming calls.

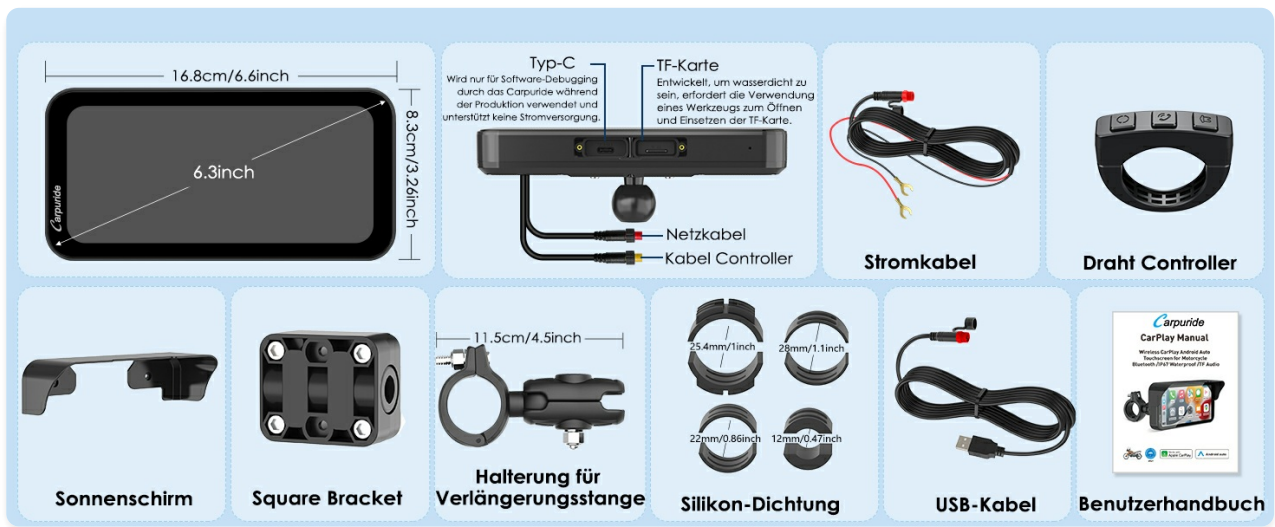


Figure 5.4: Wired Controller Functions.

5.5. Voice Control (Siri/Google Assistant)

Utilize voice commands for hands-free operation:

- Say "Hey Siri" or "OK Google" to activate your voice assistant.
- Give commands for navigation, making calls, playing music, sending messages, and more.

Die Telefonfunktionen geben Ihnen die Hände frei



Figure 5.5: Voice Control and Phone Functions.

5.6. Navigation

Access your preferred navigation apps directly on the W603 screen:

- Supported apps include Apple Maps, Waze, Google Maps, HERE, and Sygic.
- Receive turn-by-turn directions and real-time traffic updates.

Figure 5.6: Navigation App Compatibility.

5.7. Music Playback

Enjoy your favorite music while riding:

- Play music from your smartphone through the CarPlay or Android Auto interface.
- Control playback (play, pause, skip) directly from the W603 screen or wired controller.

Figure 5.7: Music Playback Interface.

6. COMPATIBILITY

To ensure seamless wireless CarPlay or Android Auto functionality, please review the following compatibility requirements for your smartphone:

6.1. CarPlay Requirements

- An iPhone with iOS 6 or higher.
- The CarPlay system and iPhone's voice system must be enabled.
- Please ensure Siri is activated.

6.2. Android Auto Requirements

- A phone that supports 5GHz WLAN.
- A phone with Android 11 or higher.
- A phone that supports the Android Auto app.
- Please update to the latest version of Android Auto.

6.3. Incompatible Phone Models (Android)

Please note that the following Android phone models are known to have compatibility issues or are not perfectly compatible with the Carpuride W603:

- OnePlus Nord 2T, OnePlus Nord CE2 5G, Oppo CPH2161, Oppo A16S, Oppo Reno 2, Oppo RENOZ 2, 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.

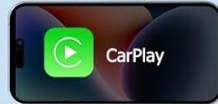
Important: *It is not perfectly compatible with Samsung Note and S-series. Please ensure your phone supports wireless CarPlay or wireless Android Auto before purchase.*

Kompatibilität mit iPhone und Android-Telefonen

CarPlay

Um kabelloses CarPlay zu verwenden, müssen Sie die folgenden Anforderungen erfüllen:

- Ein iPhone mit iOS 6 oder höher.
- Außerdem müssen das CarPlay-System und das Sprachsystem des iPhones eingeschaltet sein.
- Bitte überprüfen Sie, ob Siri aktiviert ist.



Android

Um kabelloses Android Auto zu verwenden, müssen Sie die folgenden Anforderungen erfüllen:

- Ein Telefon, das 5-GHz-WLAN unterstützt
- Ein Telefon mit Android 11 oder höher.
- Ein Telefon, das die Android Auto-App unterstützt. Bitte aktualisieren Sie die neueste Version.



Not

- Nicht perfekt kompatibel mit Samsung Note sowie der S-Serie.
- Stellen Sie vor dem Kauf sicher, dass Ihr Telefon kabelloses CarPlay oder kabelloses Android Auto unterstützt.

Mit Android inkompatible Telefonmodelle

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 6.1: Smartphone Compatibility Details.

7. SPECIFICATIONS

Model Number	603F
Screen Size	6.3 inches (16.1 cm visible diagonal)
Display Type	HD IPS Touchscreen
Resolution	1560x720
Brightness	Up to 1000 Nit
Operating System	iOS, Android

Connectivity Technology	Bluetooth, Wireless CarPlay, Wireless Android Auto
Waterproof Rating	IP67
Operating Temperature	-200C to 800C
Power Input (Motorcycle Battery)	12V, 1A
Power Input (USB)	5V, 2.5A or greater
Mounting Type	Handlebar Mount (Ring & Square options)
Audio Output Mode	Stereo
TF Card Support	For LOGO and software upgrades only (supports 4GB, 8GB, 16GB, 32GB cards). Not for local music/video playback.



Lichtempfindliches Design

Das lichtempfindliche Design ermöglicht eine automatische Anpassung der Bildschirmhelligkeit basierend auf der Umgebungshelligkeit. Dies gewährleistet Augenschutz und sorgt für sicherere Fahrbedingungen.

6,3-Zoll-Touch-IPS-Display

- HD

1440 x 720
hohe Auflösung
- IPS

Voller
Betrachtungswinkel
- 2.5D

Gebogener
Bildschirm
- 1000

1000 Nit

- ✔ Hochauflösendes IPS-Touchpanel. Sie können eine Videovorschau genießen.
- ✔ Durch die Verwendung der leistungsstarken Touchpanel-Technologie ist die Bedienung reibungsloser.



Figure 7.1: Display Features and Light Sensitivity.

8. TROUBLESHOOTING

If you encounter any issues with your Carpuride W603, please refer to the following general troubleshooting tips:

- **No Power:** Ensure the power cables are securely connected and the motorcycle battery provides sufficient voltage (12V). If using USB, check the power source and cable.
- **Connection Issues (CarPlay/Android Auto):**
 - Verify your phone meets the compatibility requirements (iOS version, Android version, 5GHz WLAN support).
 - Ensure Bluetooth and Wi-Fi are enabled on your phone.
 - Try forgetting the device in your phone's Bluetooth settings and re-pairing.
 - Restart both the W603 and your smartphone.
- **No Audio:** Ensure the W603 is paired with your Bluetooth headset/helmet. Check the volume levels on both the W603 and your headset. Confirm your headset has a microphone for calls.
- **Screen Unresponsive/Frozen:** Try pressing and holding the Home button on the wired controller for 5 seconds to lock/unlock the screen. If unresponsive, power cycle the device.
- **Poor Screen Visibility in Sunlight:** The device features automatic brightness adjustment. Ensure the light sensor is not obstructed. The 1000 Nit brightness is designed for good visibility, but extreme direct sunlight can still affect readability.

For persistent issues, please contact Carpuride customer support.

9. MAINTENANCE

To ensure the longevity and optimal performance of your Carpuride W603, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the screen and device body. Avoid abrasive cleaners or solvents that could damage the surface.
- **Water Resistance:** The device is IP67 waterproof. While it can withstand rain and splashes, avoid submerging it in water for extended periods. Ensure all cable connections are secure to maintain water resistance.
- **Temperature:** Operate the device within its specified temperature range (-200C to 800C). Avoid prolonged exposure to extreme heat or cold when not in use.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Software Updates:** Periodically check for software updates from Carpuride to ensure the best performance and compatibility. Updates are typically performed via TF card.

10. WARRANTY AND SUPPORT

Carpuride is committed to providing high-quality products and excellent customer service.

- **Warranty:** The Carpuride W603 comes with a 12-month technical support warranty.
- **Customer Support:** If you have any questions or concerns, please contact Carpuride customer service. We aim to provide a 100% satisfactory solution within 24 hours.
- **Custom Start Logo:** Carpuride offers a custom start logo service. You can send images you wish to use as your start logo.