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› Carpuride 6.25-inch Wireless Smart Motorcycle Monitor (Model W602proBS) - User Manual

CARPURIDE W602proBS

Carpuride 6.25-inch Wireless Smart Motorcycle Monitor

Model: W602proBS

INTRODUCTION

Thank you for purchasing the Carpuride 6.25-inch Wireless Smart Motorcycle Monitor. This manual provides essential information for the proper installation, operation, and maintenance of your device. Please read it thoroughly before use to ensure optimal performance and safety.

PRODUCT FEATURES

- **6.25-inch High-Brightness IPS Display:** The 6.25-inch display offers an optimal balance between visibility and compactness for motorcycle use, enhancing freedom and exhilaration during rides. It features a vibrant 65K color display with 1080*540 pixel resolution and a maximum brightness of 1000 nits, providing a clear visual experience even in bright outdoor conditions.
- **Automatic Light Sensing:** The automatic light sensing function adjusts screen brightness according to the environment, improving usability.
- **IP67 Waterproof and Durable Design:** The IP67 waterproof design ensures reliable use even on rainy days, in addition to dustproof and windproof features, making it suitable for various environments. Enjoy motorcycle riding with confidence in any weather.
- **Wireless CarPlay and Android Auto:** This system supports Apple CarPlay and Android Auto, enabling wireless connectivity with your smartphone. Enjoy navigation and music comfortably while keeping your phone in your pocket.
- **Voice Control:** Voice guidance simplifies route confirmation to destinations. Use Siri or Google Assistant to control navigation, make calls, and listen to music, keeping your hands free for safer driving.
- **BMW Genuine Wheel Controller Integration:** The Carpuride 602BSpro supports integration with genuine BMW motorcycle controllers (R1200GS, R1250GS, R1300GS, S1000XR). This allows intuitive control of map zoom, music playback, volume adjustment, and app switching directly from the handlebar, without diverting attention from the road. It also displays genuine meter information (e.g., mileage) on a single screen, improving convenience and safety.
- **SOS Mode:** The SOS mode detects impacts or falls and automatically initiates a 10-second countdown. If not manually canceled, an emergency contact is automatically notified for rapid assistance. This function is effective only when CarPlay or Android Auto mode is active.

- **OTA Online Upgrade Function:** The system supports OTA online upgrades, allowing you to receive and update the latest software via the internet, ensuring the software remains current and evolves over its lifespan.
- **Type-C Power Supply:** Direct power supply from genuine BMW mounts is supported, along with versatile USB power supply. Data errors can be easily corrected during Type-C power supply. (When using Type-C or USB power, ensure a voltage and current of 5V 3A or higher.)
- **Integrated Compass, Barometer, and Altitude Display:** The product also features a compass, barometer, and altitude display functions, eliminating worries about getting lost outdoors.
- **Dual Headphone Connection:** The product allows simultaneous connection of two different headphones, enabling shared music and enjoyable riding experiences with friends or family.

SETUP AND INSTALLATION

This section outlines the steps for installing your Carpuride Smart Motorcycle Monitor.

Package Contents

Before installation, verify that all components are present:

- Carpuride 6.25-inch Smart Monitor
- Power Contact Pins (for BMW original bracket)
- Gift Box
- Japanese Instruction Manual (refer to this for detailed language-specific instructions)
- Warranty Card



Image: Overview of the Carpuride W602proBS package contents.

Physical Installation

The monitor is designed for handlebar mounting. Follow these steps for secure installation:

1. **Prepare the BMW Navigation Base:** Ensure you have the original BMW navigation base. This product is compatible with R 1200 GS / R 1250 GS / R1300GS / S 1000 XR.
2. **Attach the Power Contact Pins:** Secure the power contact pins to the BMW original bracket.
3. **Mount the Monitor:** Align the Carpuride monitor with the BMW navigation base and slide it into place until it clicks securely.
4. **Complete Installation:** Once installed, the device is ready for use.



Image: Step-by-step guide for mounting the Carpuride W602proBS monitor.

OPERATION

Basic Interface and Navigation

The monitor features a 6.25-inch high-resolution IPS touch screen for intuitive interaction. The main interface provides access to various functions including i-Play (CarPlay), A-Auto (Android Auto), Audio Output, Mountings, Phone, Music, Card, and Settings.

BM車輪制御機能の説明

K1 戻るボタン	K2 確認ボタン
K3 前の曲/左に選択ボタン	K4 次の曲/右に選択ボタン
K5 A-Autoモードでは、3秒長く押しと、アプリの詳細な操作ページからカーソルを前の操作ページに戻る（CarPlayモードでは、K5ボタンを押すことなく、K1ボタンを使用して前の操作ページに戻る）	
K6 5秒間長押しして、NAVモードに切り替えます（carpuride画面に入ります）	
K7 TFTモードに切り替え（BM画面表示に戻る）	
ご注意： 1.車輪制御機能を実現するためには、オリジナルのbmマウントにcarpurideのマシンを取り付けなければならない。 2.バイクによって車輪制御の設定が異なるので、オリジナルのバイク説明書を参照して操作してください。	

Image: The 6.25-inch IPS display showing the CarPlay interface.

Wireless CarPlay and Android Auto

Connect your smartphone wirelessly to access navigation, music, and communication features. Ensure your phone is compatible (CarPlay: iOS 11 or later; Android Auto: Android 11.0 or later).

BM車輪制御機能の説明

モード	機能紹介	K1	K2	K3	K4	K5
BM/バイクメーター画面		K1を短く押して、bm/バイクメーター前のインタフェースに戻る				カーソル表示がない場合は、K5を押ししてUIカーソル機能を起動します。(カーソルの起動時間は5秒で、5秒後自動的に終了)
carpurideメインインタフェース		K1を短く押して、bm/バイクメーター前のインタフェースに戻る	K2を短く押して、選択されたAPPを確認して、入る	K3を回転して、カーソルを左に移動して必要なAPPを選択	K4を回転して、カーソルを右に移動して必要なAPPを選択	K5を短く押してカーソルを上下に移動して必要なAPPを選択します。短押しは上選択、長押しは下選択です。選択後、K2キーを押して確認する必要があります
CARPLAYモード	短く押して、前のインタフェースに戻る長押しでメインインタフェースに戻る					
A-AUTOモード						
BTモード	短く押して、 (1)音楽モード：メインインタフェースに戻る (2)通話モード：電話を切る (3)通話記録インタフェース：キャンセルする	短く押して、 (1)音楽モード：再生/一時停止 (2)通話モード：受信 (3)通話記録インタフェース：確認	K3を回転して、 (1)音楽モード：前の曲を選択 (2)通話記録インタフェース：前の通話記録を選択	K4を回転して、 (1)音楽モード：次の曲を選択します (2)通話記録インタフェース：次の通話記録を選択	BT通信モードでは、K5を短く押しすると、最近の10本の通話記録が表示されます	
SDモード	短く押して、メインインタフェースに戻る。SDプレイリストで、キャンセルする	短く押して、 (1)音楽モード：再生/一時停止 (2)SDプレイリスト：再生を確認	K3を回転して、 (1)音楽モード：前の曲を選択 (2)SDカード再生リストで、上へ選択	K4を回転して、 (1)音楽モード：次の曲を選択 (2)SDカード再生リストで、下へ選択	SD再生モードでは、K5を短く押しして、SDカード再生リストを表示されます	
コンパス/設定/オーディオ出力モード	短く押して、メインインタフェースに戻る				无	

Image: Wireless CarPlay and Android Auto functionality on the monitor.

Voice Control

Utilize voice commands via Siri or Google Assistant for hands-free operation. Ensure your Bluetooth headset has a microphone function for voice control.



Image: Voice control features with Siri and Google Assistant.

Bluetooth Audio Transmission

The device supports Bluetooth 5.2 for high-quality audio transmission. You can connect up to two different intercoms simultaneously for music sharing and inter-communication.

Bluetooth送信(Bluetooth受信送信機能付き)

シングルモード(BT Transモード-Bluetooth 1)



(1)まず、スマホを CarPlayまたはAndroidAutoとの接続をしてください。
(2)次に、「オーディオ」をクリックし、「BT 送信」を選択します。
(3)さらに、当社のマシンを通じて、インカムのBluetoothを検索し、接続します。
(4)このモードで、スマホをインカムに接続しないでください。(まずペアリング記録を削除してください)



2人モード(トランシーバモードとBT Transモード)



(1)当社のマシンを通じて2つの異なるインカムを検索して、接続したら、2人間での音楽共有やインターコム機能を利用することができます。
(2)トランシーバモードとBT Transモードは同時に使用できません。一度に1つのモードしか使用できません。Bluetoothの有効距離は約10cmです
(3)ナビの音声アシスタントの放送と通話出力はBluetooth 1にのみ伝送されますので、運転手はBluetooth 1に接続するしてください。



Image: Bluetooth audio transmission modes.

Important Notes for Bluetooth Audio:

- When using i-Play/A-Auto audio output mode, ensure your mobile phone's previous Bluetooth connection records are cleared.
- If you only disconnect without deleting the pairing record, the phone may automatically reconnect to other devices, preventing connection to Carpuride.
- Bluetooth effective range is approximately 10cm.
- Navigation voice assistant broadcasts and call audio are transmitted only to Bluetooth 1. Ensure the driver connects to Bluetooth 1.

SPECIAL FUNCTIONS

BMW Wheel Controller Integration

The 602BSpro allows control via the original BMW handlebar controller after connection. This enables intuitive operations such as map zoom in/out, music track selection, volume adjustment, and app switching without taking your hands off the handlebars. It also displays original meter information (e.g., mileage) on the screen.

BM原車車輪制御をサポート

弊社の602BSproがバイクと接続を確立した後、原車の車輪制御機能を使用して、地図の拡大縮小、音楽の上下曲、音の大きさの調節、appの切り替えなどの操作を実現するだけでなく、原車の走行キロ数などを見ることができます、運転をより便利になります。



Image: BMW Wheel Controller functions (K1-K7).

Controller Function Descriptions:

- **K1 (Return Button):** Returns to the previous interface.
- **K2 (Confirm Button):** Confirms selection.

- **K3 (Previous Song/Select Left Button):** Moves left or selects previous item.
- **K4 (Next Song/Select Right Button):** Moves right or selects next item.
- **K5 (Operation Button):** In A-Auto mode, long press for 3 seconds to return to the previous operation page. In CarPlay mode, press K1 to return to the previous page.
- **K6 (NAV Mode Switch):** Long press for 5 seconds to switch to NAV mode (Carpuride screen).
- **K7 (TFT Mode Switch):** Switches to TFT mode (returns to BMW display).

Note: To enable wheel control, an original BMW mount is required for the Carpuride device. Control settings vary by bike model; refer to your original bike manual.

SOS Mode

In case of an impact or fall, the system automatically initiates a 10-second countdown. If not manually canceled, an emergency contact is notified. This feature is active only when CarPlay or Android Auto is in use.



Image: SOS Mode functionality and setup.

OTA Online Upgrade

The device supports Over-The-Air (OTA) updates, allowing you to download and install the latest software versions wirelessly via Wi-Fi. This ensures your device always has the most current features and improvements.



Image: OTA Online Upgrade process.

COMPATIBILITY

Before purchasing and using the Carpuride W602proBS, please carefully review the compatibility information below for BMW motorcycles and mobile phones.

Compatible BMW Motorcycle Models (for Carpuride BS)

- R1300GS (R1300GS Adv)
- R1250GS (R1250GS Adv)
- R1200GS
- R1200GS LC
- R1200GS K50
- R1200GS Adv
- R1200RS
- S1000XR

Incompatible BMW Models (Controller function cannot be used)

- R1200RT
- R1250RT
- K1600 GT
- K1600 GTL

BMW Models with Specific Issues (Controller function works, but rear brake warning light remains on)

- F900GS (F900GS Adv)
- F900XR
- F850GS (F850GS Adv)
- F800GS
- F750GS

Incompatible Android Mobile Phone Models

- AQUOS series
- Samsung S-series, Note-series
- Huawei P-series, Mate-series
- Xiaomi series (e.g., Xiaomi 12 Pro, Xiaomi 11 lite, Xiaomi 9, Xiaomi 14T Pro, Xiaomi Poco X3 pro)
- Oppo series (e.g., Oppo Reno 2, Oppo RENO2 Z, A16S)

Carpuride この商品対応できるのBMWオートバイモデル

R1300GS(R1300GS Adv)、R1250GS (R1250GS Adv)、R1200GS
R1200GS LC、R1200GS K50、R1200GS Adv、R1200RS、S1000XR

互換性がないBMWモデル---コントローラ機能を使用できません

R1200RT、R1250RT、K1600 GT、K1600 GTL

互換性がないモデル---後輪ブレーキの警告灯が常時点灯したままになる

F900GS (F900GS Adv) 、F900XR
F850GS (F850GS Adv) 、F800GS、F750GS

互換性がないAndroid携帯電話のモデル

AQUOS、SamsungのSシリーズ、Noteシリーズ
HuaweiのPシリーズ、Mateシリーズ
Xiaomi シリーズ (Xiaomi 12 Pro,Xiaomi 11 lite,
Xiaomi 9,Xiaomi 14T Pro,Xiaomi Poco X3 pro,etc.)
Oppo シリーズ (Oppo Reno 2, Oppo RENO2 Z,
A16S,etc)

ご注意:

ご使用前に、この説明をよくお読みください。
BMWバイクと携帯電話の互換性を確認してから
購入してください。

SPECIFICATIONS

Feature	Specification
Brand	CARPURIDE
Model Name	602pro-BS
Compatible Vehicle Type	Motorcycle
Screen Size	6.25 inches
Special Features	SOS Mode, OTA Online Upgrade Function
Connectivity Technology	Bluetooth 5.2
Map Type	Terrain
Included Components	Warranty Card
Audio Output Mode	Stereo
Mounting Type	Handlebar Mount
Operating System (OS1)	iOS (for CarPlay)
Max Memory Capacity	64 GB (SD Card)
Touch Screen Type	Capacitive
Display Type	LCD
Control Method	Voice, Touch Screen, Keypad input
Battery Included	No
Supported Satellite Positioning System	GPS
Manufacturer Warranty	12 months

MAINTENANCE

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

- **Cleaning:** Use a soft, damp cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents that may damage the display or casing.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power Supply:** Always ensure the correct voltage and current (5V 3A or higher for Type-C/USB) are used to prevent damage.
- **Software Updates:** Regularly check for and install OTA updates to benefit from the latest features and bug fixes.

オートバイ用に特別に設計されており、耐熱、耐寒、防水、傷や汚れが付きにくくきれいで長持ちできます。



Image: The monitor's IP67 waterproof rating ensures durability in various weather conditions.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Carpuride Smart Motorcycle Monitor.

- **Device Not Powering On:**
 - Ensure the power cable is securely connected.
 - Verify that the power source (BMW mount or USB) is providing sufficient power (5V 3A or higher for Type-C/USB).
- **Cannot Connect to CarPlay/Android Auto:**
 - Check your smartphone's compatibility (iOS 11+ for CarPlay, Android 11.0+ for Android Auto).
 - Ensure Wi-Fi and Bluetooth are enabled on both the monitor and your smartphone.
 - Clear any previous Bluetooth pairing records on your smartphone before attempting to connect.
- **BMW Wheel Controller Not Responding:**
 - Confirm your BMW motorcycle model is listed as compatible for controller integration.
 - Ensure the monitor is correctly seated in the original BMW navigation mount.
 - Refer to your original BMW bike manual for specific controller settings.
- **SOS Mode Not Activating:**
 - SOS mode is only active when CarPlay or Android Auto is in use.
 - Ensure emergency contacts are properly set up in the device settings.
- **Software Update Failure:**
 - Ensure a stable Wi-Fi connection during the update process.
 - Do not power off the device during an update.

WARRANTY AND SUPPORT

The Carpuride W602proBS comes with a **12-month manufacturer warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or if you encounter issues not covered in this manual, please contact Carpuride customer service. If your original BMW base is a 2025 latest model (keyless model) and the received product cannot synchronize data, please contact us to update the MCU.