Aoocci BX

Aoocci BX Motorcycle Carplay User Manual
Model: BX

1. INTRODUCTION

The Aoocci BX Motorcycle Carplay system is an advanced dashboard solution designed to enhance your riding experience with smart features and comprehensive safety functions. This manual provides detailed instructions for the proper installation, operation, and maintenance of your device, ensuring optimal performance and longevity.

Key features include Smart Blind Spot Detection (BSD), wireless Apple CarPlay, Android Auto, Huawei HiCar, dual 1080P dash cameras with audio sync, built-in external 5Hz GPS navigation, real-time tire pressure and temperature monitoring, and a durable IP68 waterproof design. The system also offers loop recording, emergency lock, and a parking mode with voltage guard for enhanced security.

2. WHAT'S IN THE BOX

Upon opening your Aoocci BX package, please verify that all the following components are included:

- Motorcycle Dash Cam Main Unit
- Front and Rear Cameras
- Bracket and TPMS (Tire Pressure Monitoring System)
- Controller and 64GB TF Card
- Wiring Harness & Power Cable
- Accessories and Tools (including cable ties, cleaning cloth, screwdriver, etc.)
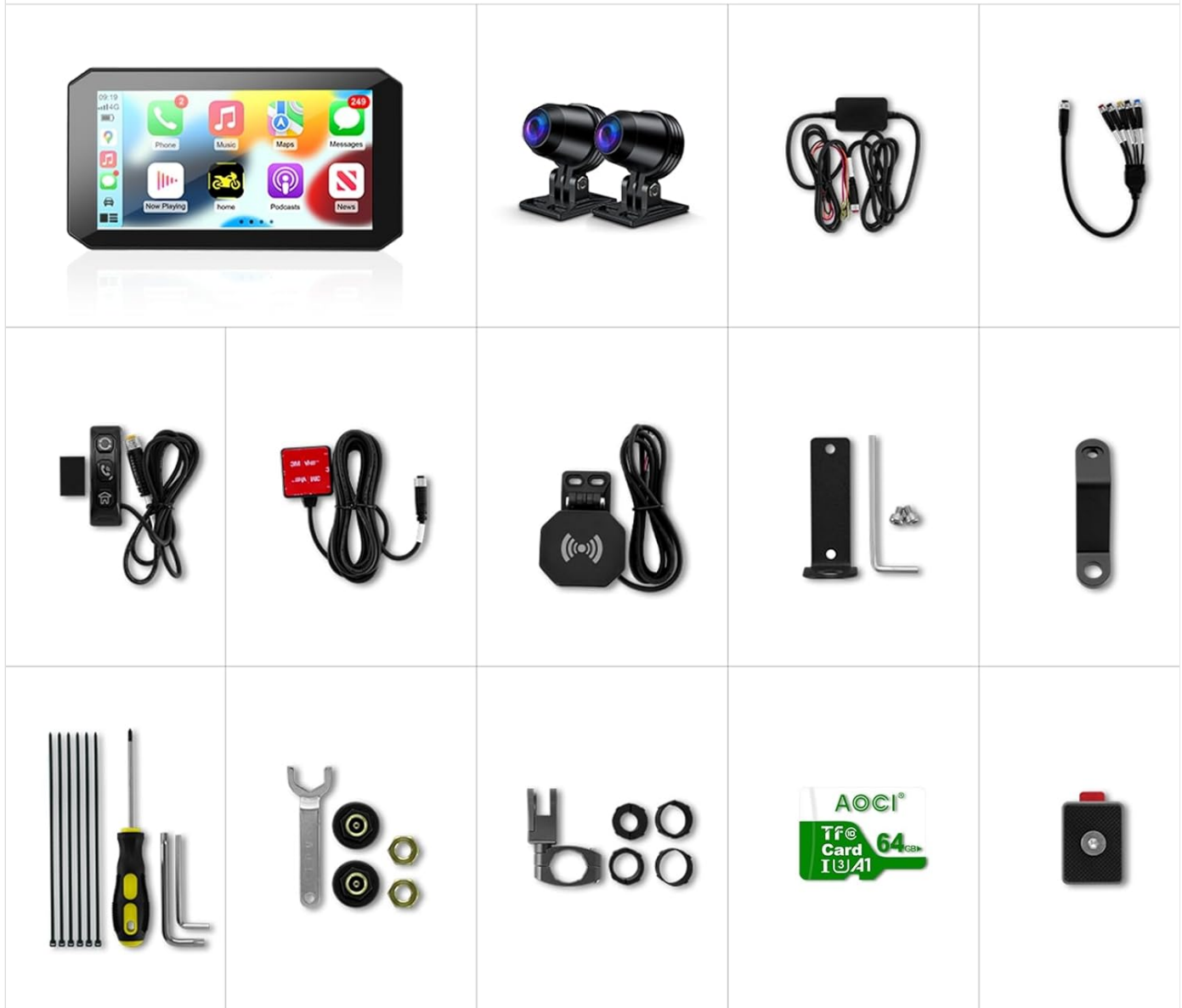- Millimeter Wave Radar & GPS Module

BX Parts & Accessories

Image: All components included in the Aoocci BX Motorcycle Carplay package.

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Video: An unboxing demonstration showing the contents of the Aoocci BX Motorcycle Carplay package.

3. KEY FEATURES

3.1. Smart Blind Spot Detection (BSD)

The Aoocci BX integrates a 24GHz mmWave radar system for real-time detection of vehicles in your left, right, and rear blind spots. This feature provides smart alerts through audible beeps and on-screen red frames, automatically switching camera views for immediate visual confirmation. It covers a detection distance of 20 meters, a width of 9 meters, and a 75° angle, significantly enhancing safety during urban traffic, highway cruising, and lane changes.
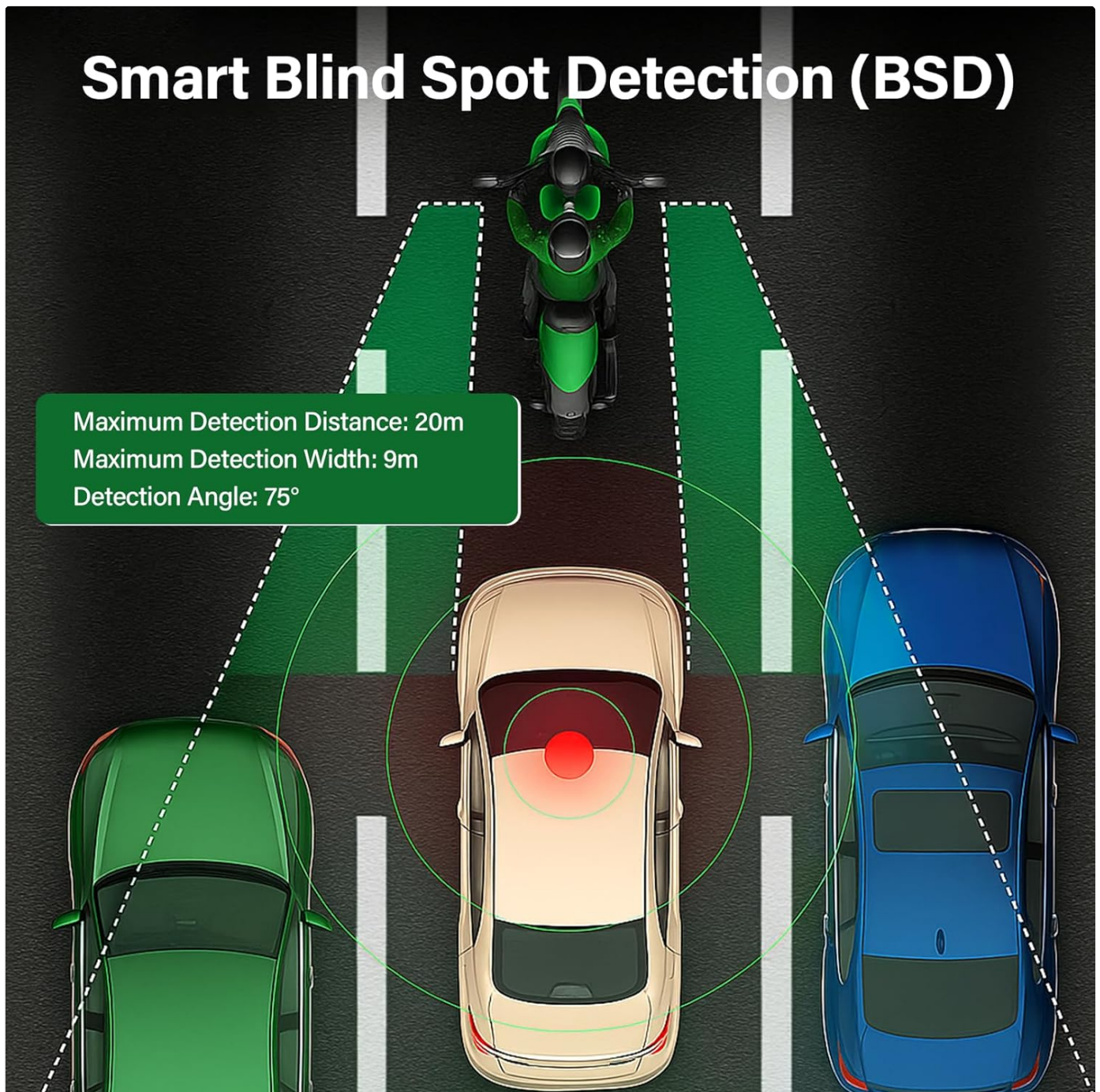
Image: Visual representation of the Smart Blind Spot Detection (BSD) system's coverage and alert mechanism.

3.2. Wireless CarPlay, Android Auto, and HiCar

Connect your smartphone wirelessly to the Aoocci BX via Bluetooth or dual-band Wi-Fi (2.4G/5G). This enables seamless access to navigation, calls, music, and messages through Apple CarPlay, Android Auto, and Huawei HiCar. The connection is stable and supports most major phone brands globally, eliminating the need for physical cables.
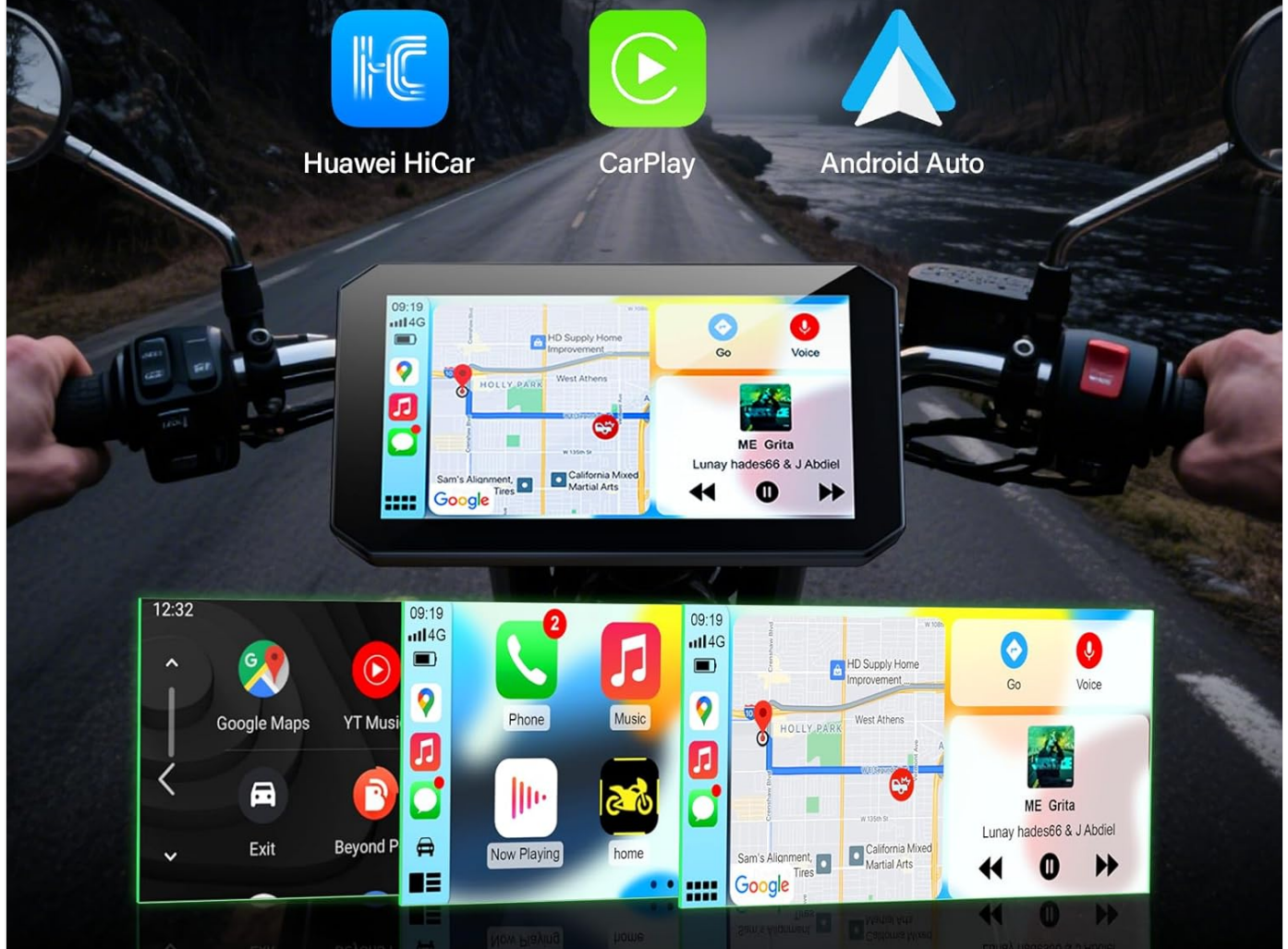
Image: The Aoocci BX display showcasing wireless connectivity with CarPlay, Android Auto, and HiCar.

3.3. Loop Recording and Emergency Lock

The system features emergency lock and loop recording functions. In the event of a crash or sudden impact, the built-in G-sensor automatically locks and protects the footage from being overwritten. Combined with continuous loop recording, the Aoocci BX ensures that critical footage is always saved, providing valuable evidence for accident claims or legal support.

Image: Illustration of the loop recording and emergency lock functions, highlighting how footage is secured.

3.4. Dual 1080P Cameras + Audio Sync

Capture both front and rear views in crisp 1080P HD with wide 140° angles. This allows for clear recording of road conditions, potential hazards, and scenic rides. The system also records ambient sound, synchronizing audio with your visuals for a complete record. A 64GB microSD card is included to begin recording immediately.

Image: Demonstration of the dual 1080P camera system, capturing both front and rear perspectives.

3.5. Built-in External 5Hz GPS for Navigation

The Aoocci BX features a physical external GPS module, providing superior accuracy and stability compared to internal alternatives. With a 5Hz refresh rate (updates every 0.2 seconds), it ensures precise, real-time speed and location tracking, even at high speeds, for reliable navigation.

Image: The Aoocci BX display showing real-time GPS navigation.

3.6. 5.5" Display & 1000nit IPS Touchscreen Auto-Brightness

The ultra-bright 5.5" IPS display (1000nit) automatically adjusts its brightness based on ambient light conditions. This auto-brightness function ensures a safer and more comfortable viewing experience in various conditions, including sun, shade, or night riding.

Image: The display demonstrating its auto-brightness feature for clear visibility day and night.

3.7. Tire Pressure and Temperature Monitoring (TPMS)

The dash cam supports dual-channel tire pressure and temperature monitoring for both front and rear wheels. You can customize high/low alerts and switch between PSI/bar and °C/°F units. This feature helps prevent tire blowouts, improves fuel efficiency, and extends tire life, which is crucial for touring and sport riding.

Image: The Aoocci BX display showing real-time tire pressure and temperature monitoring.

3.8. Parking Mode & Voltage Guard

The BX Motorcycle dash cam protects your motorbike even when parked. If a bump or movement is detected, the built-in G-sensor automatically records and locks the footage. The voltage guard feature prevents battery drain by shutting off the system once voltage drops to 11.8V, ensuring your bike's battery remains charged.
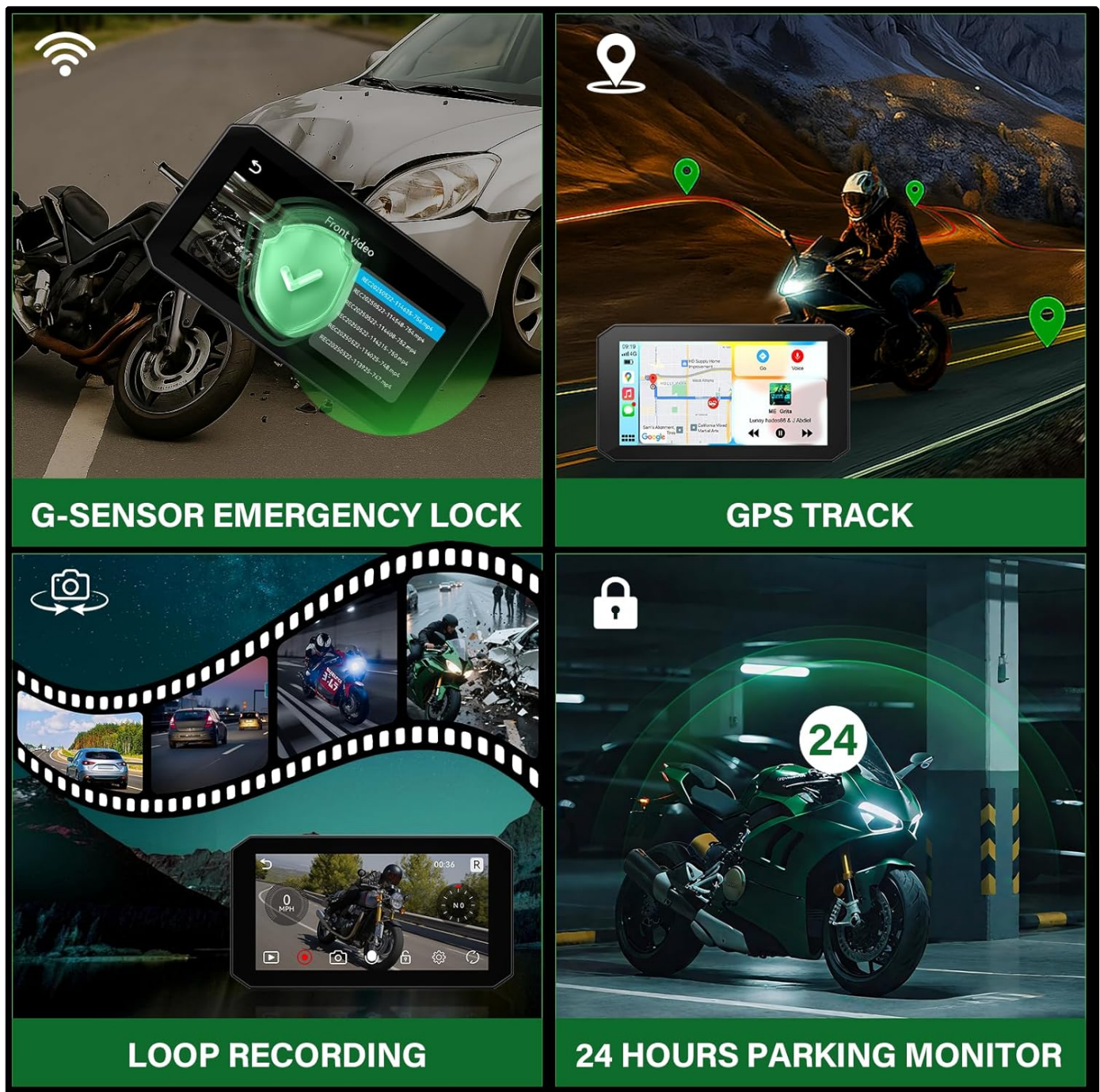
Image: Visual summary of G-sensor emergency lock, GPS tracking, loop recording, and 24-hour parking monitor.

3.9. IP68 Waterproof

The Aoocci BX is designed with an IP68 waterproof rating, ensuring reliable performance in various weather conditions, including heavy rain. This robust construction protects the device from water and dust ingress, making it suitable for all-weather riding.

Image: The Aoocci BX operating in rainy conditions, demonstrating its IP68 waterproof capability.

4. SETUP GUIDE

4.1. Mounting the Main Unit

1. Choose a secure and visible location on your motorcycle's dashboard or handlebars for the main unit.
2. Attach the quick-release mount to the chosen location using the provided bracket and tools. Ensure it is firmly secured and does not obstruct your view or controls.
3. Slide the main unit onto the quick-release mount until it clicks into place.

4.2. Camera Installation

1. Mount the front camera securely at the front of your motorcycle, ensuring a clear, unobstructed view of the road ahead.
2. Mount the rear camera at the back of your motorcycle, providing a clear view of traffic behind you.
3. Connect the camera cables to the main unit's designated ports. Route cables neatly and securely to avoid interference with moving parts or exposure to damage.

4.3. Power Connection

1. Connect the power cable to your motorcycle's battery or a suitable 12V power source, following the wiring diagram in the detailed manual. Ensure proper polarity (red to positive, black to negative).
2. Connect the power cable to the main unit.

4.4. TPMS Sensor Installation

1. Install the TPMS sensors onto your tire valve stems (front and rear). Ensure they are tightened securely to prevent air leakage.
2. The sensors will automatically pair with the main unit once powered on.

4.5. Initial Power-On and Settings

1. Turn on your motorcycle's ignition. The Aoocci BX unit should power on automatically.
2. Follow the on-screen prompts to complete the initial setup, including language selection, time zone, and date.
3. Insert the provided 64GB TF card into the designated slot.

5. OPERATING INSTRUCTIONS

5.1. Navigating the Interface

The 5.5-inch IPS touchscreen allows for intuitive control. Swipe left/right or tap icons to access different functions such as Carplay/Android Auto, Dash Cam view, GPS, TPMS, and Settings.

5.2. Wireless Connectivity (CarPlay/Android Auto/HiCar)

1. On the Aoocci BX, navigate to the CarPlay/Android Auto/HiCar section.
2. Enable Bluetooth and Wi-Fi on your smartphone.
3. Search for the Aoocci BX device in your phone's Bluetooth settings and pair.
4. Once paired via Bluetooth, the system will prompt you to connect via Wi-Fi for full functionality. Accept the connection.
5. Your phone's interface will now be mirrored on the Aoocci BX display, allowing access to compatible apps.

5.3. Dash Cam Operation

1. **Automatic Recording:** The dash cam automatically begins recording when the device is powered on.
2. **Loop Recording:** Footage is recorded in continuous loops. When the memory card is full, the oldest unlocked files are overwritten.
3. **Emergency Lock:** In case of a collision or sudden braking, the G-sensor will automatically lock the current recording to prevent it from being overwritten. You can also manually lock a recording by pressing the designated button on the wired remote or touchscreen.
4. **Parking Monitor:** When the motorcycle is parked and the system detects a bump, it will automatically record a short video. Ensure the voltage guard is enabled to prevent battery drain.

5.4. Smart BSD Usage

The BSD system operates automatically. When a vehicle enters your blind spot, the system will provide visual alerts on the screen (red frame) and audible beeps. The display may automatically switch to the relevant camera view for immediate awareness.

5.5. GPS Navigation

Utilize the external GPS module for accurate speed and location data. When connected to CarPlay/Android Auto/HiCar, your phone's navigation applications will use this precise GPS data for real-time routing and speed display.

5.6. TPMS Monitoring

The TPMS section on the display shows real-time tire pressure and temperature for both front and rear wheels. Configure high/low pressure and temperature alerts in the settings menu. An alarm will sound if readings fall outside the set parameters.

5.7. Wired Remote Control

The wired remote provides quick access to common functions without touching the screen:

- **Toggle Front/Rear Camera:** Switch between front and rear camera views.
- **Answer Phone:** Accept incoming calls when connected via CarPlay/Android Auto.
- **Split Screen:** Activate or deactivate split-screen view for simultaneous display of multiple functions.

Image: The wired remote control and its functions for easy operation.

6. MAINTENANCE

6.1. Cleaning

Regularly clean the display screen and camera lenses with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive materials that could damage the surfaces.

6.2. Firmware Updates (OTA)

The Aoocci BX supports Over-The-Air (OTA) updates. Connect the device to a Wi-Fi network and check for available firmware updates in the settings menu. Keeping your firmware updated ensures optimal performance, new features, and bug fixes.

Image: The mobile application interface for WiFi playback and OTA updates.

6.3. Storage

When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures. The device is designed to withstand extreme temperatures from -20°C to 70°C (-4°F to 158°F) during operation.

IP68 Waterproof

Image: The Aoocci BX demonstrating reliable performance across a wide range of temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power connection; Blown fuse; Battery voltage too low.	Check power cable connections; Inspect and replace fuse if necessary; Ensure motorcycle battery is charged (above 11.8V).
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone; Incorrect pairing; Interference.	Ensure phone's Bluetooth/Wi-Fi is on; Forget device on phone and re-pair; Move away from strong electromagnetic interference.
Cameras not recording or showing video.	Loose camera connection; TF card full or corrupted; Incorrect settings.	Check camera cable connections; Format TF card (backup important files first); Verify recording settings in menu.
TPMS readings are inaccurate or missing.	Sensors not paired; Low sensor battery; Incorrect installation.	Re-pair TPMS sensors; Replace sensor batteries; Ensure sensors are tightly installed.
BSD alerts are inconsistent.	Radar obstructed; Environmental factors (heavy rain/fog).	Ensure radar sensor is clean and unobstructed; Performance may be affected in severe weather.

8. SPECIFICATIONS

Attribute	Detail
Product Dimensions	5.94 x 1.26 x 3.22 inches
Item Weight	3.96 pounds
Connectivity Technologies	Bluetooth, Wi-Fi (2.4G/5G)

Attribute	Detail
Special Features	App Control, Blind Spot Detection (BSD), Built-In External 5Hz GPS, Loop Recording, Parking Monitor, TPMS
Video Capture Resolution	Dual 1080p
Display	5.5" IPS Touchscreen, 1000nit Auto-Brightness
Waterproof Rating	IP68
Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Included Storage	64GB TF Card (supports up to 256GB)
Manufacturer	Aoocci
Model Name	BX
Orientation	Front & Rear
Vehicle Service Type	Motorcycle
Mounting Type	Dashboard Mount

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The Aoocci BX Motorcycle Carplay system comes with a 12-month quality guarantee from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your Aoocci BX device, please contact our customer support team. We offer 24-hour online support and email assistance, along with lifetime technical support.

- **Online Support:** Refer to the official Aoocci website for live chat or support ticket submission.
- **Email Support:** Contact us via the email address provided in your product packaging or on the official website.

Please provide your model number (BX) and a detailed description of the issue when contacting support to ensure prompt and efficient service.

Related Documents - BX

Aoocci C6 Pro User Manual	**Aoocci C6 Pro Driving Recorder User Manual - Features, Setup, and Troubleshooting** Comprehensive user manual for the Aoocci C6 Pro driving recorder. Learn about its main components, installation, setup, features, CarPlay/Android Auto connectivity, WiFi connection, app usage, and common troubleshooting solutions.
Aoocci C6 Pro User Manual	**Aoocci C6 Pro User Manual: Installation, Features, and Operation Guide** Comprehensive user manual for the Aoocci C6 Pro driving recorder, covering installation, main components, settings, CarPlay/Android Auto connectivity, Wi-Fi setup, troubleshooting, and main features.
	Aoocci C3 Series User Manual: Installation and Operation Guide This user manual provides instructions for the Aoocci C3 Series, covering power connection precautions, installation diagrams for the device and tire pressure sensors, operation of the driving recorder, and how to connect a mobile phone to view the recorder. It also details Bluetooth pairing for headphones and helmets.
5" Motorcycle CarPlay PND DVR AOOCCI User Manual C5 (P501) / C6Pro (P501DT)	**Aoocci 5" Motorcycle CarPlay PND DVR User Manual (C5 P501/P501DT)** User manual for the Aoocci 5" Motorcycle CarPlay PND DVR, covering models C5 (P501), P501-D, and P501-DT. Includes product overview, specifications, composition list, mounting instructions, interface guide, wireless connection tutorials, and troubleshooting Q&A.
Aoocci C6 Pro User Manual	**Aoocci C6 Pro User Manual - Installation, Features, and Troubleshooting** Comprehensive user manual for the Aoocci C6 Pro dash cam, covering installation, main components, menu screens, app connection (CarPlay & Android Auto), WiFi setup for iOS and Android, app keys, main features, and troubleshooting solutions.
Aoocci BX Smart Motorcycle Console User Manual www.aoocci.com	**Aoocci BX Smart Motorcycle Console User Manual** Comprehensive user manual for the Aoocci BX Smart Motorcycle Console, detailing its features, installation, operation, settings, troubleshooting, and product specifications. Includes information on dual cameras, BSD radar, GPS, tire pressure monitoring, and WiFi connectivity.