LBW RM

LBW 5.5-inch Portable Motorcycle CarPlay System User Manual

Model: RM

1. Introduction

Thank you for choosing the LBW 5.5-inch Portable Motorcycle CarPlay System. This device integrates wireless CarPlay and Android Auto, a dual 2K dash camera, and a Tire Pressure Monitoring System (TPMS) into a single waterproof unit, designed to enhance your riding experience with navigation, communication, and safety features. This manual provides essential information for proper installation, operation, and maintenance.



Figure 1.1: LBW 5.5-inch Portable Motorcycle CarPlay System

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 5.5-inch Portable Motorcycle CarPlay Display Unit
- Front Dash Camera
- Rear Dash Camera
- TPMS Sensors (2 units: Front Wheel 'A', Rear Wheel 'B')
- Wire Control Unit
- 128GB TF Card
- Mounting Bracket and Hardware
- Power Cable
- USB Power Cord (for testing/installation)

- Camera Connection Cables
- Allen Wrenches
- Zip Ties
- Insulating Tape



Figure 2.1: Included Components (Packing List)

3. Installation

3.1 Mounting the Display Unit

1. Choose a suitable location on your motorcycle handlebar for optimal visibility and accessibility.
2. Secure the mounting bracket to the handlebar using the provided hardware. Ensure it is tightened firmly to prevent movement during riding.
3. Attach the display unit to the mounting bracket. Adjust the angle for best viewing.



Figure 3.1: Display Unit Mounting Example

3.2 Connecting Power

Connect the power cable to your motorcycle's 12V power source. It is recommended to connect to a switched power source that turns on and off with the ignition to prevent battery drain.

3.3 Installing Dash Cameras

1. Identify the front and rear cameras.
2. Mount the front camera in a position that provides a clear, unobstructed view of the road ahead.
3. Mount the rear camera in a position that provides a clear, unobstructed view of the road behind.
4. Route the camera cables securely along the motorcycle frame, avoiding moving parts and heat sources. Connect them to the corresponding ports on the main display unit.



Figure 3.2: Dash Camera Installation and Features

3.4 Installing TPMS Sensors

The TPMS sensors are labeled 'A' for the front wheel (F.W) and 'B' for the rear wheel (R.W). Install them on the corresponding tire valve stems.

1. Screw out the original valve cap.
2. Rotate the nut counter-clockwise onto the valve stem.
3. Screw the TPMS sensor onto the valve stem.
4. Tighten the nut against the sensor to secure it.
5. Check for air leakage with soapy water around the valve stem and sensor connection.



Figure 3.3: TPMS Sensor Installation Steps

3.5 Wire Control Unit Installation

Mount the wire control unit on your handlebar in an easily accessible position. Connect its cable to the designated port on the main display unit. This unit allows for quick control of functions without touching the screen.



Figure 3.4: Wire Control Unit Functions

4. Initial Setup

4.1 Powering On/Off

The system will power on automatically when the motorcycle ignition is turned on (if connected to a switched power source). To manually power off, press and hold the power button on the display unit.

4.2 Connecting to Smartphone (Wireless CarPlay/Android Auto)

1. On the display unit, navigate to the CarPlay or Android Auto icon and tap it.
2. On your smartphone, enable Bluetooth and Wi-Fi.
3. Search for the device's Bluetooth name (e.g., "BTRX-A52*") on your phone and pair with it.
4. Once paired via Bluetooth, the system will automatically establish a Wi-Fi connection for CarPlay or Android Auto functionality.

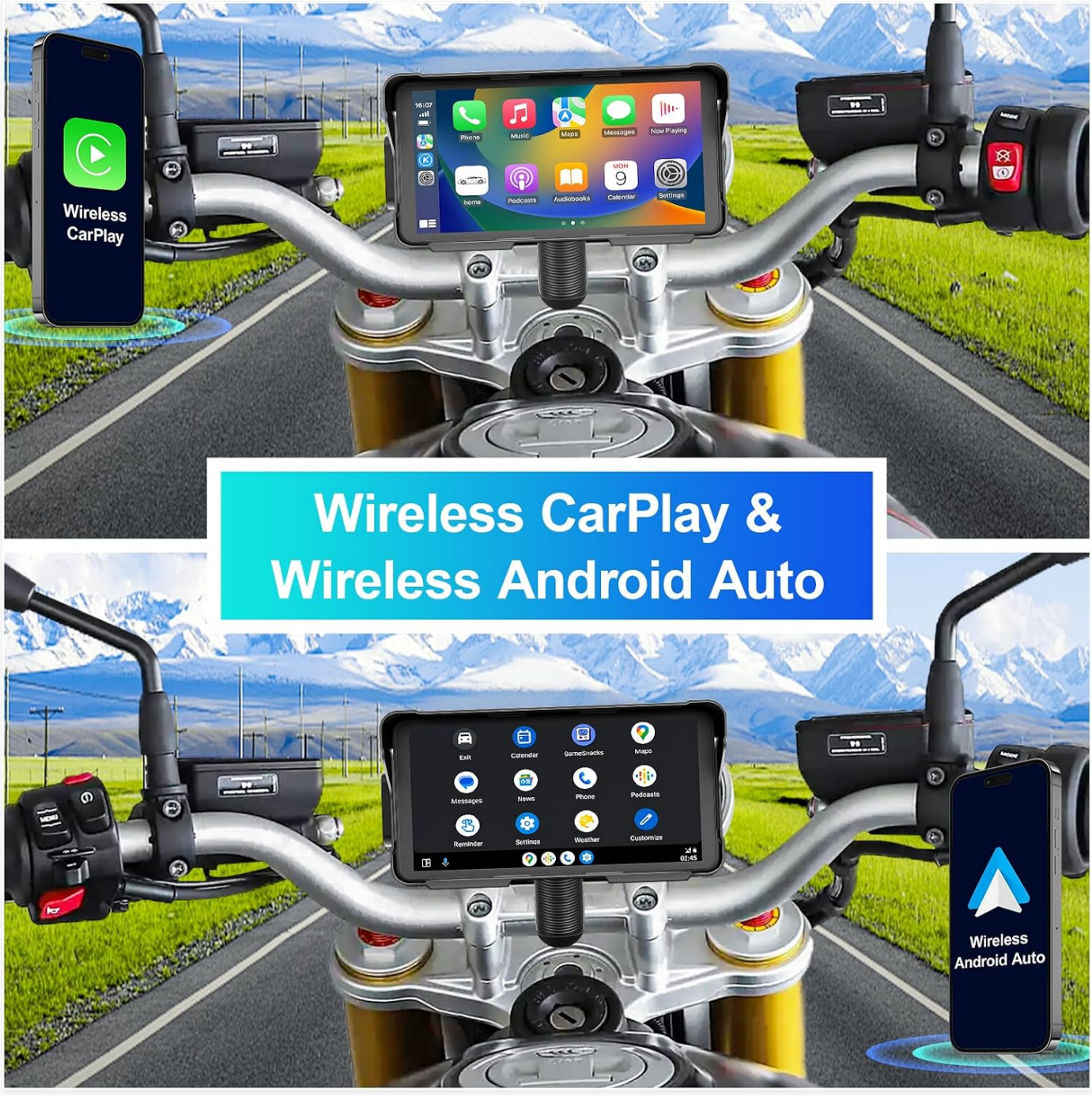


Figure 4.1: Wireless CarPlay and Android Auto Connectivity

4.3 Pairing Bluetooth Helmet

1. Ensure your Bluetooth helmet is in pairing mode.
2. On the display unit, go to **System Settings** > **Phone Audio** > **ON**.
3. Then, go to **Bluetooth Emit** to search for and connect your Bluetooth helmet.



Figure 4.2: Bluetooth Helmet Setup Guide

4.4 TPMS Sensor Binding

After physical installation, the TPMS sensors need to be bound to the system.

Your browser does not support the video tag.

Video 4.1: LBW Portable Motorcycle CarPlay Tire Pressure Matching Steps. This video demonstrates the process of binding the TPMS sensors to the display unit for real-time tire pressure monitoring.

1. Enter the TPMS interface on the display unit.
2. Select the option to bind the first sensor (e.g., 'F' for Front).
3. Inflate the tire with the corresponding sensor to activate it and allow the system to detect it.
4. Wait approximately 20 seconds for the system to bind the sensor.
5. Repeat the process for the second sensor (e.g., 'B' for Rear).

5. Operation

5.1 Using the Touch Screen

The 5.5-inch HD IPS touch screen is designed for clear visibility and responsive interaction. Use gentle taps and swipes to navigate menus and select options.

5.2 Navigating CarPlay/Android Auto

Once connected, your smartphone's CarPlay or Android Auto interface will be displayed. You can access navigation, music, calls, and messages directly from the unit. Voice control is supported for hands-free operation.

5.3 Dash Cam Recording

The dual 2K dash cameras continuously record footage to the included 128GB TF card. The system features loop recording, automatically overwriting the oldest files when the card is full. Important footage can be locked to prevent overwriting.

5.4 Monitoring TPMS Data

The TPMS interface displays real-time tire pressure and temperature for both front and rear tires. The system will alert you to abnormal pressure or temperature readings, enhancing riding safety.



Figure 5.1: TPMS Sensors and Monitoring

5.5 Using the Wire Control Unit

The wire control unit provides convenient access to key functions:

- **Motorcycle Battery Voltage Display:** Shows current battery voltage.
- **Cycle Button / Answer the Phone:** Cycles through display modes or answers incoming calls.
- **Camera Button / Hang up the Phone:** Toggles camera view or ends calls.
- **Main Interface Button:** Returns to the main menu.

6. Maintenance

6.1 Cleaning the Display Unit

Wipe the screen and unit exterior with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the screen or casing.

6.2 Waterproof Design

The unit features an IP66 waterproof rating, designed to withstand various weather conditions. Ensure all cable connections are secure and properly sealed to maintain waterproofing.



Figure 6.1: Waterproof and Sunscreen Design

6.3 TF Card Management

Periodically check the TF card for proper function. Format the card regularly (e.g., monthly) to ensure optimal recording performance and prevent data corruption. Back up any important video files before formatting.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Unit does not power on.	No power connection or faulty wiring.	Check power cable connections to the motorcycle battery and the unit. Ensure the ignition is on if connected to a switched power source.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi issues, phone settings.	Ensure Bluetooth and Wi-Fi are enabled on your phone. Forget the device in your phone's Bluetooth settings and re-pair. Restart both the unit and your phone.
"No Signal" displayed for cameras.	Loose camera connection or faulty camera.	Check that camera cables are securely plugged into the display unit. Inspect cables for damage.
TPMS sensors not displaying data.	Sensors not bound or low tire pressure.	Ensure sensors are correctly installed and bound (refer to Section 4.4). Check tire pressure manually and inflate if necessary to activate sensors.
Wire control unit unresponsive.	Loose connection or unit malfunction.	Verify the wire control unit cable is firmly connected to the main display unit.

8. Specifications

Feature	Detail
Brand	LBW
Model Name	RM
Screen Size	5.5 Inches
Display Type	IPS
Touch Screen Type	Capacitive
Connectivity Technology	Bluetooth, Wi-Fi
Operating System	Android (for Android Auto)
Memory Storage Capacity	128 GB (TF Card Included)
Supported Satellite Navigation System	GPS
Waterproof Rating	IP66
Compatible Vehicle Type	Motorcycle
Control Method	Touch, Voice (via CarPlay/Android Auto)

9. Warranty and Support

9.1 Warranty Information

This product comes with a 1-year manufacturer's warranty from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your LBW Portable Motorcycle CarPlay System, please contact LBW-Direct customer service through the platform where you purchased the product. Provide your order number and a detailed description of the issue for prompt support.

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