

CPVAN CP2W

CPVAN Home Alarm System CP2W User Manual

Comprehensive instructions for setup, operation, and maintenance of your CPVAN Home Security System.

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CPVAN Home Alarm System, model CP2W. This wireless DIY smart security system is designed to protect your home with a combination of motion detection, door/window sensors, and remote control functionality, all managed via a smartphone application.

The system includes a PIR motion sensor alarm host, multiple door/window sensors, and remote controls, offering a robust solution for home security without monthly fees.

2. PACKAGE CONTENTS

Please verify that all the following components are included in your package:

- 1 x PIR Motion Detector (Alarm Host)
- 6 x Door/Window Sensors
- 2 x Remote Controls
- 1 x Type-C USB Cable (for power)
- 1 x User Manual (this document)
- 3 x AAA Batteries (pre-installed or included for the host)



Figure 2.1: CPVAN Home Alarm System components. This image shows the main PIR motion sensor unit, two remote controls, six door/window sensors, and a smartphone screen displaying the alarm system's mobile application interface.

3. SETUP AND INSTALLATION

3.1 Powering the Alarm Host

1. Connect the provided Type-C USB cable to the alarm host and plug the other end into a standard AC power adapter (not always included, but typically a standard USB wall adapter).
2. Ensure the alarm host is always connected to AC power for continuous operation. The internal batteries serve as a backup for up to 8 hours during power outages.
3. Verify that the 3 AAA backup batteries are correctly installed in the alarm host.

3.2 App Download and Connection

1. Download the **Smart Life App** from your smartphone's app store (available on iOS and Android).
2. Register or log in to your Smart Life account.
3. Add the CPVAN Home Alarm System device within the app by following the on-screen instructions. Ensure your phone is connected to a 2.4GHz Wi-Fi network during the pairing process.

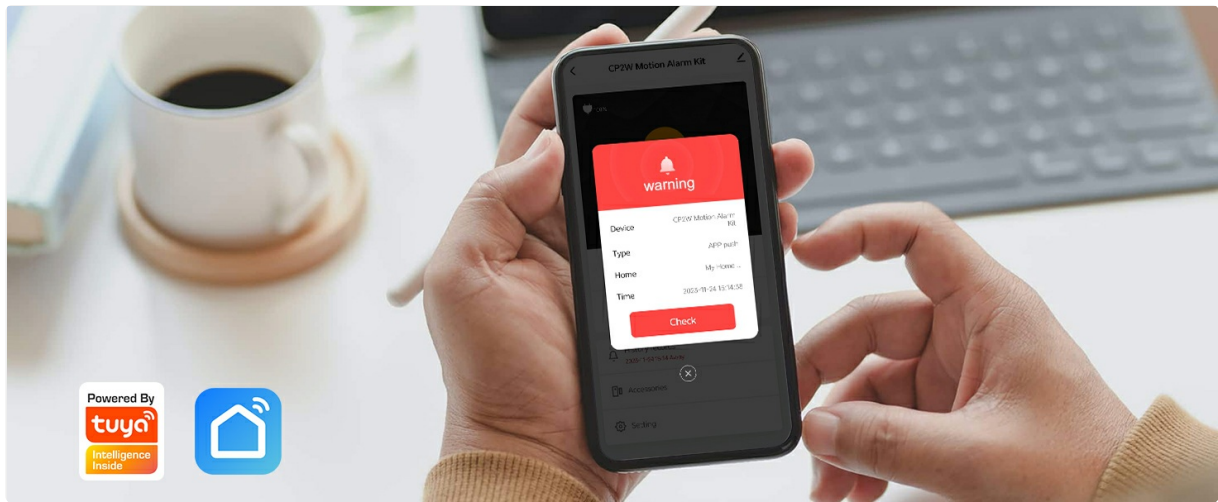


Figure 3.1: Smart Life App notification and alarm activation. This image illustrates a smartphone receiving a real-time notification from the Smart Life app about an alarm event, alongside the CPVAN alarm hub emitting a loud 120dB sound.

3.3 Pairing Sensors and Remotes

The system allows for expansion. You can add up to 24 door/window sensors and 10 remote controls to the central alarm host.

1. Follow the instructions within the Smart Life App to add new sensors or remotes. Typically, this involves putting the alarm host into pairing mode and then triggering the sensor or remote.
2. For door/window sensors, separate the two magnetic parts to trigger.
3. For remotes, press any button to trigger.

3.4 Mounting Sensors and Host

- **PIR Motion Detector (Host):** Mount the host in a central location or an area where motion detection is critical, such as a hallway or living room. Ensure it has a clear line of sight and is not obstructed. It is wall-mountable.
- **Door/Window Sensors:** Install the two parts of each sensor on a door or window frame and its corresponding moving part. Ensure they are aligned and within 1 cm of each other when the door/window is closed.

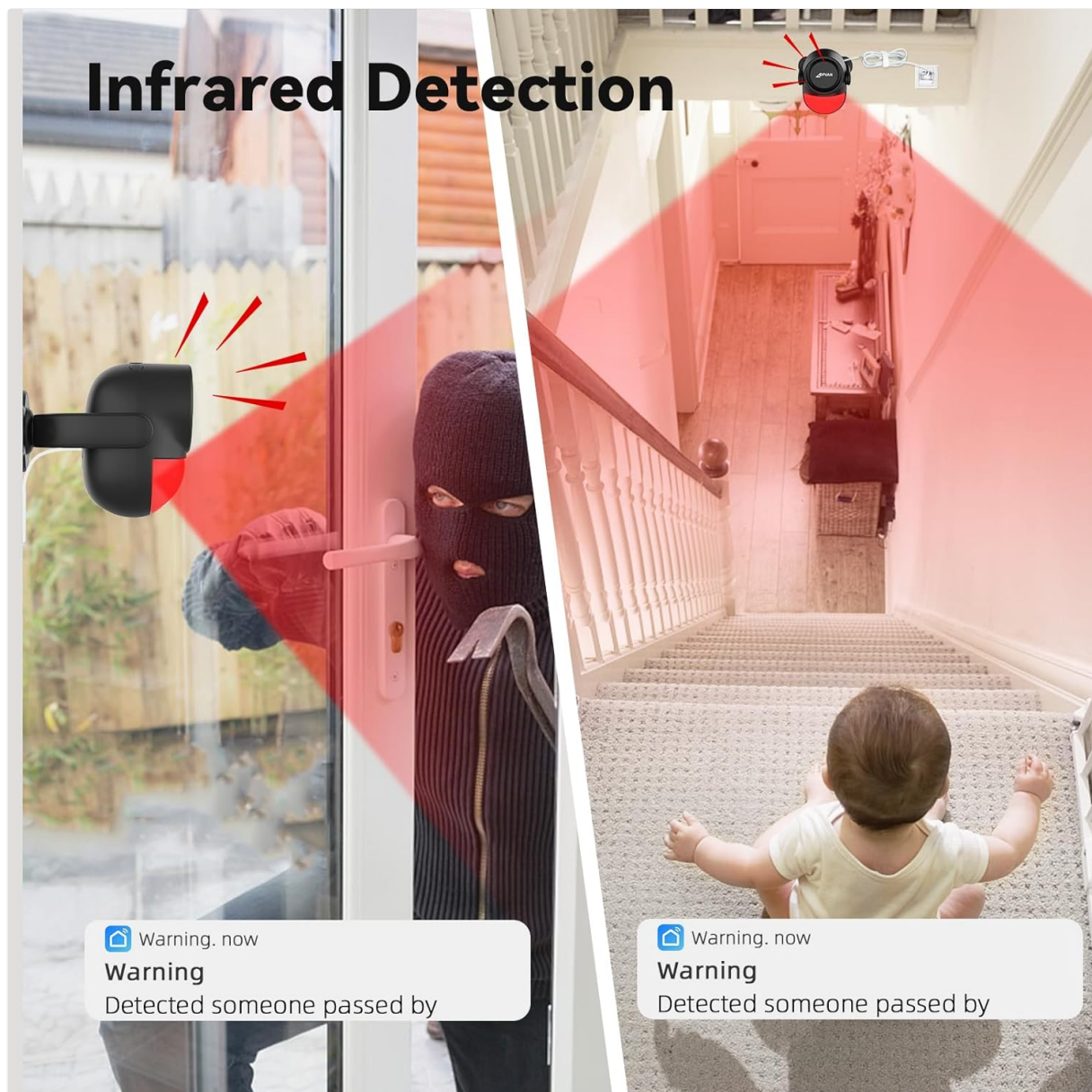


Figure 3.2: Infrared motion detection. This image shows the CPVAN PIR motion sensor detecting movement at an entry door and down a staircase, with corresponding warning notifications displayed on a smartphone.



Figure 3.3: Child safety with CPVAN sensors. This image demonstrates the use of CPVAN door/window sensors and the motion sensor to protect children by alerting when they approach or open doors and windows.

4. OPERATING THE SYSTEM

4.1 Arming and Disarming

- **Via Remote Control:** Use the dedicated buttons on the remote to arm (lock icon) or disarm (unlock icon) the system. An SOS button is also available for immediate alarm activation.
- **Via Smart Life App:** Open the Smart Life App, select your CPVAN Home Alarm System, and use the on-screen controls to arm or disarm the system.

4.2 Alarm Triggers and Notifications

- When a door/window sensor is separated or the PIR motion sensor detects movement while armed, the alarm host will emit a 120-decibel siren.
- Simultaneously, the Smart Life App will send push notifications to your smartphone, alerting you to the triggered event.
- The SOS button on the remote control will also trigger the alarm and send notifications.

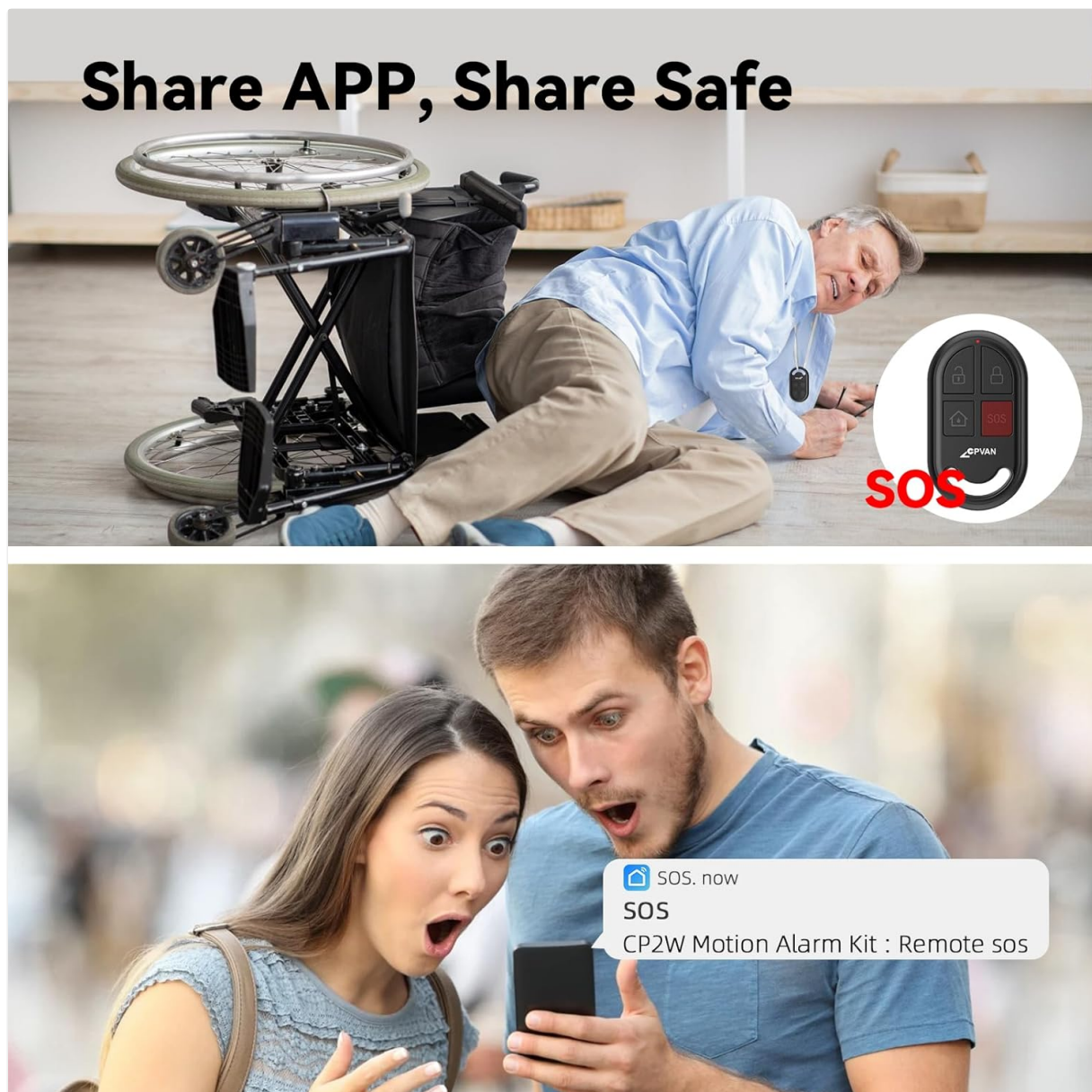


Figure 4.1: SOS function and app sharing. This image depicts an elderly person who has fallen, with an SOS remote control nearby, and a couple reacting to an SOS notification received on their smartphone, highlighting the system's emergency alert capabilities.

4.3 Scheduled Arm/Disarm

The Smart Life App allows you to set schedules for automatically arming and disarming your alarm system. This feature provides convenience and ensures your home is protected according to your daily routine.

Scheduled Arm/Disarm

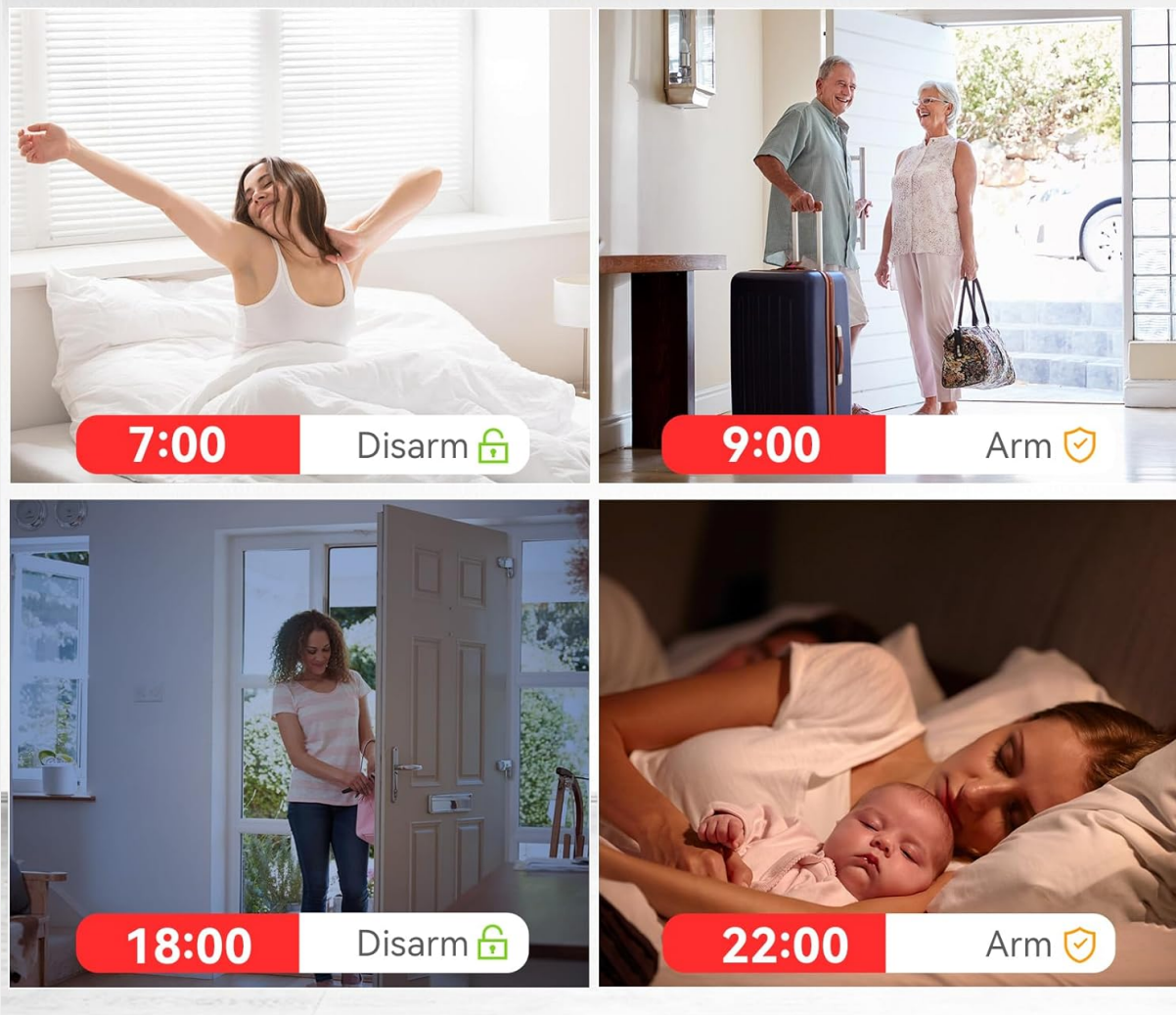


Figure 4.2: Scheduled arm/disarm. This image displays four panels illustrating different times of day (7:00, 9:00, 18:00, 22:00) with corresponding actions to disarm or arm the security system, demonstrating the scheduled operation feature.

4.4 Operation During Power/WiFi Outage

In the event of a power or Wi-Fi outage, the alarm host's backup battery will sustain operation for up to 8 hours. During this time, the system will continue to detect motion and open doors/windows, triggering the 120dB alarm siren. However, app notifications will not be sent without an active Wi-Fi connection.

Outage Or No Wifi

– Only 120db Alarm



Figure 4.3: Alarm function during outage. This image shows a family watching television, with the CPVAN alarm hub emitting a red light, signifying that the 120dB alarm function remains active even during a power or Wi-Fi outage.

5. MAINTENANCE

5.1 Battery Replacement

- **Alarm Host:** The host uses 3 AAA batteries for backup power. Replace them periodically or when the app indicates low battery.
- **Door/Window Sensors and Remotes:** These devices typically use coin cell batteries. Refer to the specific sensor/remote instructions for battery type and replacement procedures.

5.2 Cleaning

Wipe the alarm host and sensors with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials, as these can damage the devices.

5.3 Power Connection

Always ensure the alarm host is connected to its AC power adapter for optimal performance and to keep the backup batteries charged.

6. TROUBLESHOOTING

- **False Alarms:**
 - Ensure the PIR motion sensor is placed away from direct heat sources, air vents, or areas where pets can easily trigger it.
 - Verify door/window sensors are securely mounted and not shifting, causing false triggers.
 - Check for environmental factors like strong drafts or vibrations.
- **No App Alerts:**
 - Confirm your alarm host is connected to a stable 2.4GHz Wi-Fi network.
 - Check your smartphone's internet connection.
 - Ensure push notifications are enabled for the Smart Life App in your phone's settings.
 - Verify the alarm host is powered via AC; app alerts require Wi-Fi.
- **Sensors Not Pairing:**
 - Ensure the alarm host is in pairing mode as per app instructions.
 - Check batteries in the sensor/remote.
 - Try moving the sensor closer to the alarm host during pairing.
- **Alarm Not Sounding:**
 - Verify the alarm host is powered on and connected to AC.
 - Check if the system is armed.
 - Ensure the volume setting in the app is not muted or set too low.

7. SPECIFICATIONS






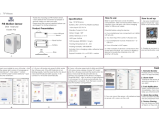
Brand	CPVAN
Model Number	CP2W
Color	Black
Power Source	AC (with Type-C USB cable)
Backup Battery Life	Up to 8 hours (3 AAA batteries included)
Connectivity Technology	Wireless (2.4GHz Wi-Fi)
Alert Type	Motion, Door/Window Open, SOS
Control Method	Remote, Smart Life App
Noise Level	120 dB
Maximum PIR Range	8 Meters
Recommended Use	Indoor

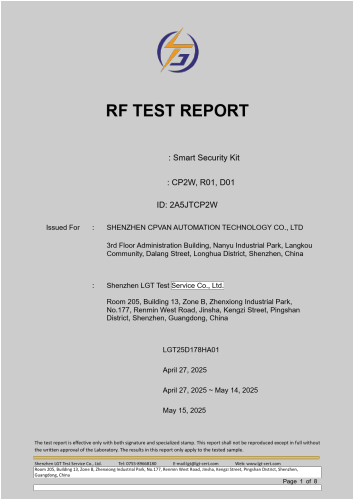
Dimensions (Host)	2 x 1.5 x 4 inches
Weight (Host)	1.28 pounds
Material	ABS

8. WARRANTY AND SUPPORT

- **Manufacturer Warranty:** The CPVAN Home Alarm System comes with a 3-year manufacturer warranty.
- **Money-Back Guarantee:** A 60-day money-back guarantee is offered for this product.
- **Customer Support:** CPVAN provides lifetime customer support for this product. For technical assistance, troubleshooting, or warranty claims, please contact CPVAN customer support through their official website or the contact information provided with your purchase.

Related Documents - CP2W

	<p>CPVAN WiFi PIR Motion Sensor Alarm User Manual</p> <p>Comprehensive user manual for the CPVAN WiFi PIR Motion Sensor Alarm, detailing setup, features, and operation for home security.</p>
	<p>CPVAN WiFi PIR Motion Sensor Alarm User Manual</p> <p>Comprehensive user manual for the CPVAN WiFi PIR Motion Sensor Alarm, detailing setup, product overview, specifications, preparation, and operation instructions for home security.</p>
	<p>CPVAN CP2 PIR Motion Sensor Alarm User Manual</p> <p>User manual for the CPVAN CP2 PIR Motion Sensor Alarm, detailing setup, operation, pairing, troubleshooting, and technical specifications for home security.</p>
	<p>CPVAN CP2 PIR Motion Sensor Alarm User Manual</p> <p>This manual provides instructions for the CPVAN CP2 PIR Motion Sensor Alarm, covering setup, operation, pairing, and troubleshooting. Learn how to arm, disarm, change sounds, and add sensors to your home security system.</p>
	<p>CPVan Pet Immune PIR Motion Sensor: Operation Instructions and Features</p> <p>Comprehensive guide to the CPVan Pet Immune PIR Motion Sensor, covering installation, features, mode settings, and technical specifications for CPVan Home Alarm Systems.</p>
	<p>CPVAN P06 WiFi PIR Motion Sensor User Manual Installation & Setup Guide</p> <p>User manual for the CPVAN P06 WiFi PIR Motion Sensor. This guide provides detailed instructions on installation, setup, and features for the smart motion detector.</p>



[pdf] Test Report

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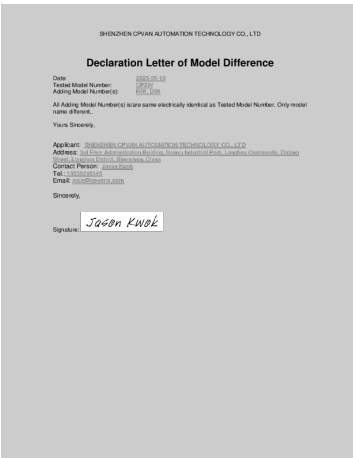
2A5JTCP2W cp2w

RF TEST REPORT Product Name: Smart Security Kit Model Name: **CP2W**, R01, D01

FCC ID: 2A5JT**CP2W** Issued For : SHENZHEN CPVAN AUTOMATION

TECHNOLOGY CO., LTD 3rd Floor Administration Building, Nanyu Industrial Park, Langkou Community, Dalang Street, Longhua District, Shenzhen, China Issued By : Shenzhen...

lang:en **score:39** filesize: 232.07 K page_count: 8 document date: 2025-06-12



[pdf] Declaration of Conformity

Declaration Letter of Model Difference SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO LTD

CP2W Smart Security Kit 2A5JTCP2W cp2w

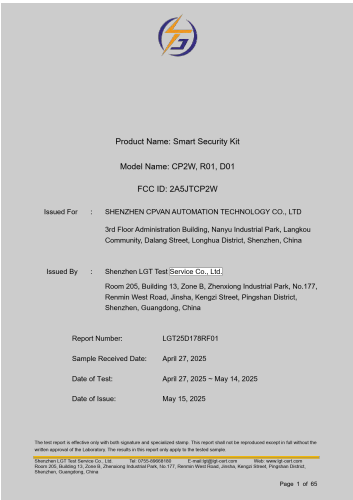
SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD Declaration Letter of

Model Difference Date: Tested Model Number: Adding Model Number s : 2025-05-15

CP2W R01, D01 All Adding Model Number s is/are same electrically identical as

Tested Model Number. Only model name different.. Yours Sincerely, Ap...

lang:tl **score:37** filesize: 15.1 K page_count: 1 document date: 2025-06-11



[pdf] Test Report

FCC Part 15 247 2 4G Wi Fi SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO LTD CP2W Smart

Security Kit 2A5JTCP2W cp2w

RF TEST REPORT Product Name: Smart Security Kit Model Name: **CP2W**, R01, D01

FCC ID: 2A5JT**CP2W** Issued For : SHENZHEN CPVAN AUTOMATION

TECHNOLOGY CO., LTD 3rd Floor Administration Building, Nanyu Industrial Park, Langkou Community, Dalang Street, Longhua District, Shenzhen, China Issued By : Shenzhen...

lang:en **score:34** filesize: 3.42 M page_count: 65 document date: 2025-06-17

SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD

3rd Floor Administration Building, Nansu Industrial Park, Langkou Community, Daxing Street,
Linghuo District, Shenzhen, China

Attention Statement

To: Federal Communications Commission
Date: Jan. 15, 2025

**7415 Oakleaf Hills Road,
Columbus, MO 65206, USA**

Subject: Declaration of Compliance with FCC Covered IoT Software Requirements
PC ID: JAL3J7P2W
Product Name: Smart Security Kit

This letter serves as an attestation that the equipment is identified below ☒ **is** and ☐ **is not** part of a known "covered" equipment as defined under the Federal Communications Commission (FCC) Covered IoT equipment requirements, as outlined in FCC ID JAL3J7P2W.

Specifically, the undersigned certifies that the equipment to which this attestation bears is a single:

- **Open device** and contains (or contains only) an anti-virus software installed or provided by **Kaspersky Lab**, Inc. or any of its successors, affiliates, parents, subsidiaries, affiliates, or any entity that has submitted a security vulnerability disclosure program to the aforementioned vendor;
- **Or** any of its successors, affiliates, parents, subsidiaries, affiliates, or any entity that has submitted a security vulnerability disclosure program to the aforementioned vendor;
- **Or** does not have the capability to store, use, or disclose any address information on the FCC Covered IoT. Including but not limited to IP address and anti-virus software.

To support this attestation, the signatory's evaluation of the device's design, functionality, and software are included in this document. This undersigned certifies that the information provided is accurate and complete to the best of their knowledge.

Signature:
JASON KAO

Applicant Signature
Printed Name: **JASON KAO**
Title: **Sales Engineer**
Address: **3rd Floor Administration Building, Nansu Industrial Park, Langkou Community, Daxing Street, Linghuo District, Shenzhen, China**
Tel: **13535161945**
Email: **as@cpvan.com**

1 | P a g e

SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD

3rd Floor Administration Building, Nongda Industrial Park, Langkou Community, Dabang Street, Longhua District, Shenzhen, China

Attention Defendants

Not Covered Entity Applicant & Not Covered Equipment

To: Federal Communications Commission Date: Jun. 11, 25

7435 Oakland Mills Road,
Columbia, MD 21046, USA

Re: Information provided by Section 2.811(d)(5)(i) & (ii)
FOCI ID: 56A7FCPW

SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD (the "applicant") certifies that, as of the date of filing of this application, the applicant is not specified in the Covered List, mentioned pursuant to [§ 2.811\(d\)\(5\)\(i\) of the FCC rules](#), as an entity providing "any form of communication equipment." The equipment for which applicant is applying is not "covered" telecommunications equipment and does not contain equipment provided by entities specified in the Covered List. Covered List has been prohibited from receiving an equipment authorization pursuant to section 2.811(d)(5)(ii) of the FCC rules.

Sincerely yours,

Jason Kwok

Applicant Signature

Printed Name: Jason Kwok

Title: Sales Director

Address: 3rd Floor Administration Building, Nongda Industrial Park, Langkou Community, Dabang Street, Longhua District, Shenzhen, China

Tel.: 13523219145

Email: kwok@cpvan.com

SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD

3rd Floor Administration Building, Nanyang Industrial Park, Langkou Community, Daling Street,
Longhua District, Shenzhen, China

2025-05-11

Federal Communications Commission
Administration and Enforcement Division
Washington, DC 20548

Subject: Confidential Request for FCC ID: JASRDPW

Pursuant to Section 67.2(a) and 67.2(b) of the Commission's Part 67 rules, we hereby submit confidential information for consideration of the ex parte accompanying this certification application as current below:

- Block Diagram
- Block Diagram Descriptions
- Operational Description
- User Manual Procedures - Parts List

The above details contain trade secrets and/or proprietary information that are not publicly available and material that the Applicant has spent considerable effort in developing. Public disclosure of these may be harmful to the Applicant and give an unfair advantage to competitors in the market.

Pursuant to DA 14-755, the applicant must identify regulatory confidential information of the public availability of which it would suffer if disclosed. The applicant certifies that the information submitted herein is confidential under the Freedom of Information Act (5 U.S.C. 552). The applicant agrees to provide the requisite verbiage for any sensitive information and you to mark it accordingly to enable the Commission to make the information regarding the product or the product's material available to the public after the requested period has expired.

Respectfully,

Sincerely,


Name: Jason Kwok
Title: Sales Manager
Address: 3rd Floor Administration Building, Nanyang Industrial Park, Langkou Community, Daling Street,
Longhua District, Shenzhen, China
Tel.: 163-03-0261
Email: jason@cpvan.com

[\[pdf\]](#) Label

Attestation Statements Kaspersky Rev 1 0 SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO LTD

CP2W Smart Security Kit 2A5JTCP2W cp2w

SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD 3rd Floor

Administration Building, Nanyu Industrial Pa ... 11, 25 Subject: Attestation of

Compliance with FCC Covered List Software Requirements FCC ID: 2A5JT**CP2W**

Product Name: Smart Security Kit This letter serves as an attestation that the

equipment identi...

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[\[pdf\]](#)

2 911 d 5 i ii Certification Equipment Type v1 SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO

LTD CP2W Smart Security Kit 2A5JTCP2W cp2w

SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD 3rd Floor

Administration Building, Nanyu Industrial Pa ... 46, USA Date: Jun. 11, 25 Ref:

Information Required by Section 2.911 d 5 i ii FCC ID: 2A5JT**CP2W** SHENZHEN

CPVAN AUTOMATION TECHNOLOGY CO., LTD the applicant certifies that, as of

the date ...

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[\[pdf\]](#) Confidentiality Request Letter

FCC Short Long Term Confidentiality Request Rev4 1 SHENZHEN CPVAN AUTOMATION

TECHNOLOGY CO LTD CP2W Smart Security Kit 2A5JTCP2W cp2w

SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO., LTD 3rd Floor

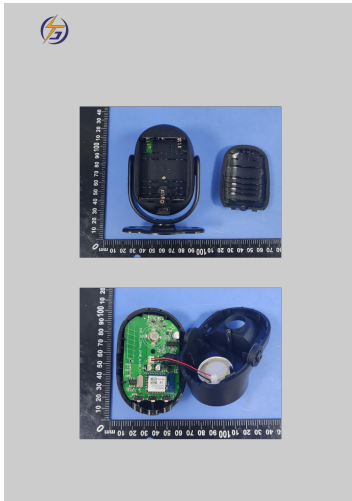
Administration Building, Nanyu Industrial Park, Nanyang, Henan, China 453000
E-mail: 7435@nanyang.com

Columbia, MD 21046 Subject: Confidentiality Request for: FCC ID: 2A5JT**CP2W**

Pursuant to Section 87(2)(b), the following information has been withheld from this document:

permanent con...

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[\[pdf\]](#) Product Photos Teardown

Internal photos SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO LTD CP2W Smart Security Kit 2A5JTCP2W cp2w

Page 1 of 3 Report No.: LGT25D178 Appendix - Internal Photographs of EUT Constructional Details Model: **CP2W** Photo 1 Photo 2 Page 2 of 3 Report No.: LGT25D178 Appendix - Internal Photographs of EUT Constructional Details Photo 3 ANT Photo 4 Page 3 of 3 Report No.: LGT25D178 Appendix - Int...

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[CPVAN CP2W Smart Security Kit: External Constructional Details](#)

Detailed external photographs and constructional views of the CPVAN CP2W Smart Security Kit, showcasing its various components and physical design with dimensional references.

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[CPVAN WiFi PIR Motion Sensor Alarm User Manual](#)

Comprehensive user manual for the CPVAN WiFi PIR Motion Sensor Alarm, detailing setup, product overview, specifications, preparation, and operation instructions for home security.

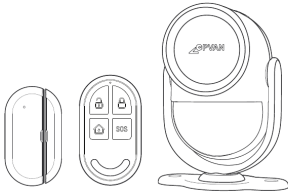
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WiFi PIR Motion Sensor Alarm

Compatible with our CPVAN Home Alarm Sensors

GB DE FR IT ES



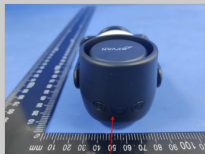
[\[pdf\]](#) User Manual

CP2W Guía de usuario B1CMgWz1I8Lm media amazon images I B1CMgWz1I8L ref dp product quick view |||

WiFi PIR Motion Sensor Alarm Compatible with our CPVAN Home Alarm Sensors GB DE FR IT ES CONTENTS GB 01-11 DE 12-22 FR 23-33 IT 34-44 ES 45-55

WARNUNG WICHTIGESICHERHEITSANWEISUNGEN 1. Wenn Sie diese Sicherheitshinweise nicht lesen und befolgen, kann dies zu Feuer, Explosion, elektri...
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Label



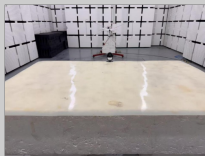
FCC ID: 2A5JTCP2W

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LABLE SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO LTD CP2W Smart Security Kit 2A5JTCP2W cp2w

Label FCC ID: 2A5JTCP2W ...

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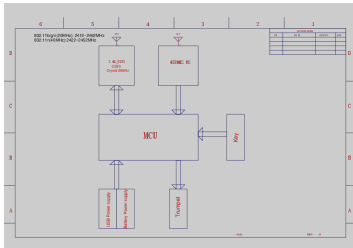


[\[pdf\]](#) Product Photos

Test Setup Photos SHENZHEN CPVAN AUTOMATION TECHNOLOGY CO LTD CP2W Smart Security Kit 2A5JTCP2W cp2w

Page 1 of 2 Report No.: LGT25D178 Appendix - Test Setup photos Set-up for Radiated Spurious Emission, Below 1GHz Set-up for Radiated Spurious Emission, Above 1GHz Page 2 of 2 Report No.: LGT25D178 Set-up for Conducted Emission ...

lang:de **score:16** filesize: 254.01 K page_count: 2 document date: 2025-06-17



[CPVAN CP2W System Block Diagram](#)

Detailed block diagram of the CPVAN CP2W system, illustrating the MCU, 2.4G Wi-Fi, 433MHz RX, power inputs (USB, Battery), and output (Trumpet), along with a revision record.

lang:de **score:13** filesize: 72.21 K page_count: 1 document date: 2025-06-12