

One Year Limited Warranty

Rydeen North America Inc. (a manufacturer of RYDEEN® products) warrants this product (PVR5D DVR System) only to the original purchaser as described by the following:

Warranty Period

Rydeen warrants this product for a period of one (1) year from the original purchase date.

Warranty Coverage

This warranty covers all defects in material and workmanship except as specified below.

1. **Installation by anyone other than an authorized RYDEEN retailer voids the warranty.**
2. Any products distributed outside of the USA by Rydeen North America Inc. (RYDEEN®) or which is not purchased in the USA or Canada unless the product is purchased through the USA Military Exchange Service.

3. Any product(s) which are purchased from an unauthorized retailer (in store or online).

4. Any products in which the serial number label or the model number label are removed, torn, modified or replicated.

5. Any damage defects or malfunctions resulting from any of the following:

- a) When defect occurs during shipment of product (freight carrier's responsibility).
- b) Installation or removal of product.
- c) Accidents, act of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow product owner's manual instructions.
- d) Any repair or attempt to repair without RYDEEN authorization.
- e) Any other cause which is not related to product defect.
- f) Any cosmetic damages due to normal wear and tear.
- g) Any consumable items (such as fuse or batteries).

If any problems develop with your RYDEEN products during or after the Limited Warranty Period, or if you have any questions regarding the operation or installation of the product, you should contact your RYDEEN retailer. If the problem or your question is not handled to your satisfaction, please contact Rydeen Customer Service Department at 1-877-777-8811 (within the USA only) Monday - Friday between 9:00 AM to 4:00 PM Pacific Standard Time or visit www.rydeenmobile.com.



www.rydeenmobile.com

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Owner's Manual

PVR5D Motion Sensing DVR System

V1.0

WELCOME STATEMENT & WARNINGS

Congratulations and thank you for purchasing the RYDEEN PVR5D Portable DVR System. We hope you will enjoy using this exciting product and trust that it will make your driving experience more enjoyable and hassle-free.

Please read this Owner's Manual carefully before using this product. If you have any further questions about your PVR5D operation, feel free to call RYDEEN, Toll Free at 1-877-777-8811 (within USA only) for product support, or visit our website: www.rydeenmobile.com or send email to: tech1@rydeenmobile.com.

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC interference limits for Class B digital devices for home or vehicle use. These limits are designed to provide more reasonable protection against harmful interference in a residential installation and are more stringent than "outdoor" requirements.

Operation of this device is subject to the following conditions:

1. This device may not cause harmful interference;
2. This device must accept any interference received, including interference that may cause undesired operation.

⚠ WARNINGS ⚠

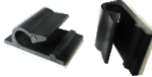
- **THE FOLLOWING INSTRUCTIONS ARE INTENDED FOR AUTHORIZED RYDEEN MOBILE INSTALLERS ONLY.**
- **DAMAGE FROM IMPROPER INSTALLATION WILL VOID THE WARRANTY.**
- **EXCESSIVE SHOCK** due to dropping any components in the system or subjecting it to excessive shock and vibrations may cause malfunction and is not covered by warranty.
- **THE MAIN BOX OF THE PVR5D SYSTEM IS NOT WATERPROOF.** Avoid exposing it to rain or other forms of excessive moisture.
- **Water damage is not covered under the warranty.**
- **The usage of Rydeen PVR5D system should never replace normal operation and safety precautions needed for reversing a vehicle.**
- **Caution should always be taken in ANY vehicle operation.**

SPECIFICATIONS

Item	Parameters
01. Lens structure	Using full glass composition
02. Sensor	American high-definition SENSOR
03. Night vision illumination	<0.3Lux
04. Video resolution	1920X1080P 30FPS/1280X720P 60FPS/WVGA 848X480 60FPS/VGA 640X480 60FPS
05. Video file format	(H.264 compression) MOV
06. Storage medium	micro SD/MMC (maximum support to 32GB SDHC)
07. Video length	8GB SD card:1080P/78min 720P/130min
08. Motion detection	Within 3.5 meters of the trigger recording.
09. The LCD screen	1.5,TFT LCD
10. Lithium battery	210mAh
11. Storage temperature	-10°C~70°C [14°F ~ 158°F]
12. Working environment temperature	-10°C~50°C [14°F ~ 122°F]
13. Working environment humidity	15~85%RH



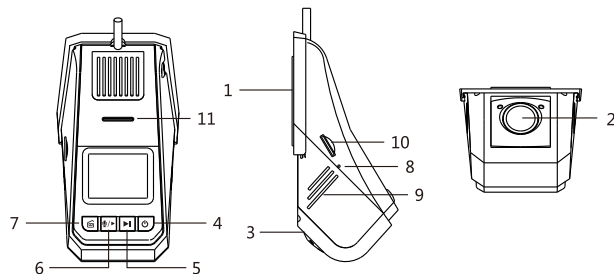
KIT CONTENTS

 Unit x1	 micro SD (8G) x1	 Main Cable x1
 Manual x1	 GPS Antenna (optional)	 Clip x1

Attention:

1. Pictures may be slightly different from the actual product.
2. According to the product configuration you choose, different parts may be added, refer to the actual product.

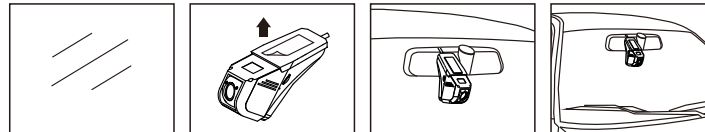
PRODUCT OVERVIEW



1. **3M adhesive**: used for pasting the bracket to the windshield;
2. **Lens**: optical components, for video and camera viewfinder, please keep the lens clean;
3. **Lens angle adjustment** : adjust the lens angle following your needs;
4. **Power key** (two functions)
 - **POWER** function: hold for 3 seconds to shutdown, screen ON or OFF by a short press;
 - **UP** function: on 9 grips replay interface or system menu status, press UP button to select file, during play status, press "UP" to select next file or fast-forward;
5. **NEXT key**: (two functions)
 - **"NEXT"** function: on 9 grips replay interface and system menu status, press next button to select file, during play status, press "NEXT" to select next file or fast-forward;
 - **"FORMAT"** function: on standby mode, press "FORMAT" button for 3 seconds until it shows "FORMAT," then it'll get into SD card format process and with the "di di..." alarming sounds, after formatting, "FORMAT" will disappear;
6. **OK key**: (three functions)
 - **"PLAY"** function: press to play the video when the unit is on standby mode;
 - **"OK"** function: on non-record, press button for 3 seconds and it'll show the menu, press (down) or (up) to setup, after settings, press "OK" to save and return back;
 - **"MIC"** press: when recording, turn on MIC, press again, turn off MIC;
7. **Record key**: (two functions)
 - **Record** function: used to start recording on any standby record mode or stop recording, the indication light will twinkle when recording, and will turn off when recording is stopped;
 - **Timing** function: on standby mode, press for 3 seconds to get into time settings, press "up" and "down" to set date and time, press to get into next setting, after setting's done, press to log out and save;
8. **Reset button**: press to initial a system reset;
9. **Heat radiation hole**: to keep an appropriate working temperature;
10. **Micro SD slot**: to insert a SD card;
11. **Loudspeaker**: high quality loudspeaker.

INSTALLATION INSTRUCTIONS

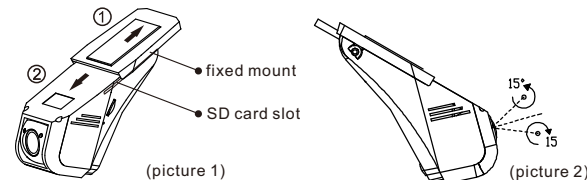
► How to install



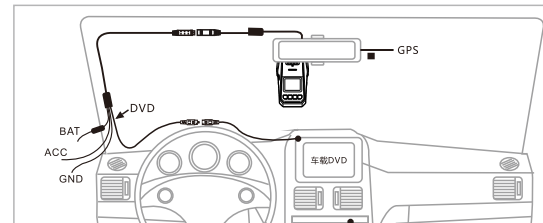
1. Clean the window and choose a proper position to mount.
2. Tear down the 3M from the bracket.
3. Paste on the window shield.
4. Installation finished.

► How to mount / disassemble & adjust lens angle

1. After installation, simply remove the bracket #2 from #1 to pull out the unit if necessary. (as shown in picture 1)
2. The lens angle can be adjusted 30 degrees (as shown in picture 2).



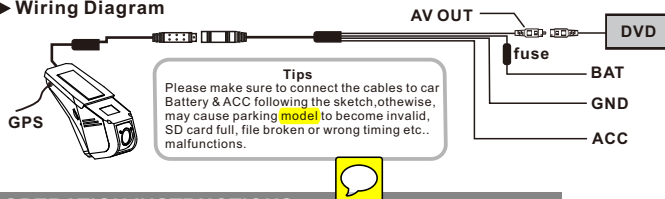
► Electrical Connecting Instruction



Note:
please follow this instruction to avoid malfunctions.

1. Connect wires to the car BAT, ACC and GND (remember to distinguish BAT, ACC and GND).
2. The other end of the wires connected to the host cable-confirm good connection before moving to next step.
3. Fix the cables with the wire clips.
4. Mount the unit near to the back mirror to get a better view.
5. Mount position should be far from the position of safety airbag.
6. In order to get better GPS signal, please install the GPS antenna in a horizontal position to ensure no signal disturbances.

► Wiring Diagram



OPERATION INSTRUCTIONS

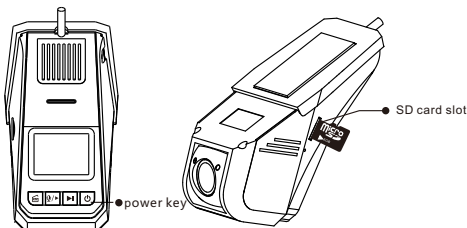
► Connect to DVD

When AV out connects to terminal DVD, the monitor of the unit will turn off.

► SD card usage

Put the SD card into the card slot follow the pointed direction, and you'll hear a sound "ka." Press the SD card to pull out the SD card.

Attention: please format your SD card before usage.



► ON/ OFF manually

ON: press power supply key to turn ON the unit and the indicator will turn to green;

OFF: press power supply key for 2 seconds to turn OFF the unit and the indicator will turn off;

► ON/ OFF automatically

Once get power from car charger, DVR will start automatically and enter into recording state.

► Parking mode turn on

Turn on the parking model (default is on).

When ACC is off while recording, the motion detection with high sensitivity parking model will turn on. Any movements or light changes within 3.5M will trigger recording and it will standby automatically after 30s with no movement or light change.

► Parking mode turn off

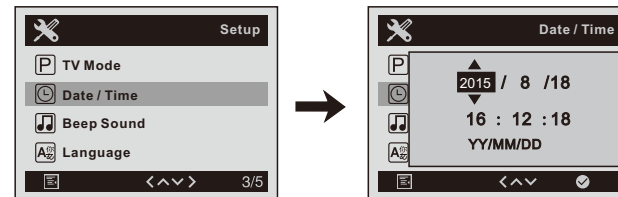
When ACC is off while recording, the system will save current recording file and turn off automatically.

► BAT voltage detection

When on parking mode, the BAT voltage detection is on, once the voltage is under than 11.8V, the system will save current recording file and turn off automatically.

MAINTAINING YOUR DVR

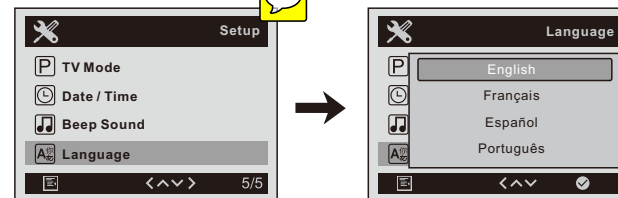
On standby status, press " " for 3 seconds to go to the menu, press " " or " " to select items. Press " " for 3 seconds to confirm selections and press " " to return.



[G-Sensor] off / low / middle / high;

[Beep Sound] set sound of button-press to be on / off;

[Language] set required language: English, German, French, Italian, Russian, Portuguese, simplified, traditional Chinese, Japanese, Spanish;



[TV Mode] set TV mode: PAL / NTSC;

[Frequency] set frequency source : 50Hz / 60Hz;

[Parking Mode] on/off, on means when ACC is on it comes to parking mode automatically;

[Default Settings] restore to factory settings: confirm / cancel; (Note: when choosing "confirm," all parameters will be restored to factory default settings);

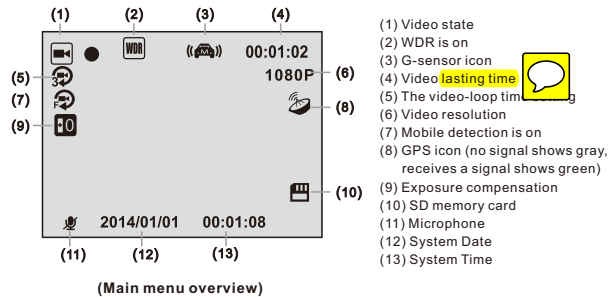
[Format] used for storage of SD card format: Yes / No (Note: select "yes" will format the SD card, remove the card of all documents, please be careful while operating);

[Version] to check the software version of the product.

VIDEO RECORDING INSTRUCTIONS

► Video operations

After power on and press " " to start recording, white lights will flash. The top left corner of the screen will show " " (see below picture), press " " again to stop recording and save the current files. During the recording, press " " to open or close the MIC. The symbol " " indicates voice recording is on, " " means mute.



► Video settings

Press "MENU" button to get into video standby and settings.

- [Video resolution] to set image resolution at: 1080P (1920x1080 30fps) / 720P (1280x720 60fps) / 720P (1280x720 30fps) / WVGA (848x480 60fps) / VGA (640x480 60fps);
- [Video cycle] set cycle recording time: 1 minutes / 2 minutes / 3 minutes;
- [WDR] set WDR state: on / off;
- [Exposure compensation] set exposure compensation exposure value: -2.0, +2.0, +5/3, +4/3, +1.0, +2/3, +1/3, +0.0, -1/3, -2/3, -1.0, -4/3, -5/3;
- [Motion detection recording] set mobile detecting switch : on / off;
- [Recording audio] set the recording audio: on / off;
- [Date label] set the date and time: on / off;

► Video operation

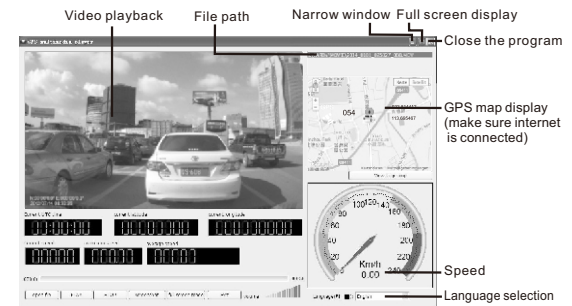
While standby press " ", it will go to 9 grips status, press " " or " " to select file, and then press " " to play. During playing press " " as fast forward (2x/4x/8x), press " " as back forward (2x/4x/8x).

VIDEO PLAYER ON THE UNIT

Press the "PLAY" key to enter playback mode, press up, down, left, right and then press "OK" button to play the file, then press the stop button to stop playing. In the process of rewind, 2X, 4X, 8X three kinds of speed are available for fast forward and rewind.

SPECIFIED VIDEO PLAYER FOR PC

- The software of specified video player for PC is copied in the SD card. Please copy the software to your PC before usage and then install the software on your PC.
- Please access the website (www.rydeenmobile.com) to download and install the software.



TROUBLESHOOTINGS

- [No Video and Photo]**
Please amend the video or photo resolution, or check whether there is enough space for the storage card and make sure the storage card is installed correctly;
- [No signal output to the DVD]**
Please confirm whether correctly connected with the DVD, and check whether AV OUT socket is in the right place;
- [Video or photo images are not clear]**
Please check the lens or automotive glass is not dirt, please use a soft cloth to clean it;
- [Normal video process state with no light flash or keypad failure]**
Please reset the system with the "RESET" key while the system is on, and press "POWER" key to restart;
- [System crashed]**
Please enter "MENU" then enter the "default settings" to restore all parameters to factory settings.