

parkmate®

PM-90AHV

**Heavy Duty Analogue HD Rear
Camera with 1080P Resolution**



USER MANUAL

YOUR SAFETY COMES FIRST™

1080P

AHD

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1.0 INTRODUCTION

Thank you for purchasing Parkmate's PM-90AHV camera. We are certain that our product will give you trouble-free operation while providing you with safety features that enhance your driving experience.

DISCLAIMER

Our products are to assist and aid the driver, not to replace the manual function of the person operating the vehicle.

Although the PM-90AHV is a visual aid and will allow you to view what is behind the vehicle, it does not remove the responsibility of driving the vehicle from the driver. Legal responsibility and safe driving practise remains with the driver at all times. You have purchased this product with the understanding that its use is as an aid only. We highly recommend that you have this product professionally installed to ensure that it will provide the functions it is set out to perform.

CAUTION

- Ensure you are using your rear camera within your countries' road laws. Please make sure you are familiar with your local road legislation before use.

1.1 COMPONENT LIST



Heavy Duty
Rear Camera



8 Metre
Cable



Screws



Installation
Guide



Allen
Key

IMPORTANT NOTICE

- Please read this manual carefully before using the product.
- Wire connection points should always be insulated.
- Wiring should always be installed away from heat sources and electrical components.
- Please perform tests after finishing installation to ensure camera is working correctly.
- This camera is intended for use as an aid when reversing your vehicle. Drivers must always use extreme caution when operating a vehicle.
- Specifications are subject to change without notice.

WARNING

- Do not disassemble the camera or cut the camera cable as this voids the warranty. Disassembling the camera will compromise the waterproof seal.

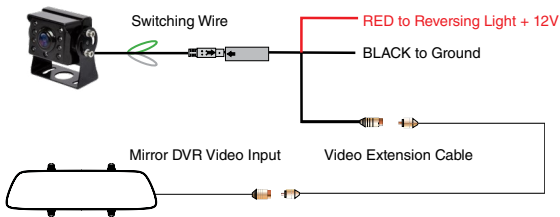
PLEASE NOTE

- The Parkmate PM-90AHV is an Add-On AHD Rear Camera, designed specifically for use with the Parkmate MCPK-502DVR and/or the Parkmate MCPK-962DVR. It will not function as intended when used stand alone.

1.2 TECHNICAL SPECIFICATIONS:

Signal System:	PAL
Resolution:	1080P
Minimum Illumination:	0 Lux
Diagonal Angle:	120°
Waterproof Rating:	IP69K
Nominal Voltage:	12V
Working Temperature:	-20°C to 65°C

2.0 WIRING DIAGRAM



3.0 TESTING

3.1 HOW TO TEST

1. Apply the parking brakes. (Safety Precaution)
2. Turn ignition on. (DO NOT TURN ON VEHICLE)
3. Shift into reverse gear.
4. Image should appear on the Mirror DVR.
5. Recorded files will be stored on the Mirror DVR SD Card (SD Card & Mirror DVR not provided).

4.0 TROUBLESHOOTING

PROBLEM	SOLUTION
"No Signal" appears while reversing	<ol style="list-style-type: none">1. Check video input connections2. Check camera power connections
Video image is not sharp	Check camera lens for debris

5.0 CARE AND MAINTENANCE

Always keep camera clear from dirt and mud. Clean camera with a soft moist cloth.

6.0 WARRANTY TERMS & CONDITIONS

Our goods come with guarantees that cannot be excluded under the Australian & New Zealand Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is provided in addition to your rights under the Australian & New Zealand Consumer Law.

Directed Electronics warrants that this product is free from defects in material and workmanship for a period of 12 months from the date of purchase or for the period stated on the packaging. This warranty is only valid where you have used the product in accordance with any recommendations or instructions provided by Directed Electronics.

This warranty excludes defects resulting from alterations of the product, accident, misuse, abuse or neglect.

In order to claim the warranty, you must return the product to the retailer from which it was purchased or if that retailer is part of a National network, a store within that chain, along with satisfactory proof of purchase. The retailer will then return the goods to Directed Electronics. Directed Electronics will repair, replace or refurbish the product at its discretion. The retailer will contact you when the product is ready for collection. All costs involved in claiming this warranty, including the cost of the retailer sending the product to Directed Electronics, will be borne by you.

Directed Electronics Address: 115-119 Link Road Melbourne Airport, 3045 Victoria. Australia

Ph: +61 03 8331 4800 **Email:** service@parkmate.com.au

7.0 INDEMNITY

YOU AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS PARKMATE AND ITS SUBSIDIARIES AND AFFILIATES FROM AND AGAINST ANY AND ALL CLAIMS, PROCEEDINGS, INJURIES, LIABILITIES, LOSSES, COSTS AND EXPENSES (INCLUDING REASONABLE LEGAL FEES), INCLUDING BUT NOT LIMITED TO, CLAIMS ALLEGING NEGLIGENCE, INVASION OF PRIVACY, COPYRIGHT INFRINGEMENT AND/OR TRADEMARK INFRINGEMENT AGAINST PARKMATE AND ITS SUBSIDIARIES AND AFFILIATES OR THE PARKMATE SERVICES, RELATING TO OR ARISING OUT OF YOUR BREACH OF ANY PROVISION OF THESE TERMS, YOUR MISUSE OF THE PARKMATE OR PARKMATE SERVICES, OR YOUR UNAUTHORIZED MODIFICATION OR ALTERATION OF PRODUCTS OR SOFTWARE.

8.0 WARRANTY AND WARRANTY DISCLAIMER

PARKMATE HAS A LIMITED WARRANTY ON WHEREBY PARKMATE WARRANTS TO AND ONLY TO YOU THAT THE ON PARKMATE VEHICLE DASH CAMERAS, MIRROR DASH CAMERAS, FRONT, REAR AND REVERSING CAMERAS AND MIRROR MONITOR DEVICES WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR ONE (1) YEAR FROM THE DATE OF YOUR PURCHASE OF THE ON PARKMATE VEHICLE DASH CAMERAS, MIRROR DASH CAMERAS, FRONT, REAR AND REVERSING CAMERAS AND MIRROR MONITOR DEVICES (UNLESS A LONGER WARRANTY PERIOD IS REQUIRED BY LAW).

THE SPECIFICS OF THIS PARKMATE LIMITED WARRANTY ARE AT [HTTPS://WWW.PARKMATE.COM.AU/WARRANTY](https://www.parkmate.com.au/warranty)

TO THE EXTENT POSSIBLE UNDER GOVERNING LAW, OTHER THAN THE ABOVE PRODUCT WARRANTY FOR THE PARKMATE VEHICLE DASH CAMERAS, MIRROR DASH CAMERAS, FRONT, REAR AND REVERSING CAMERAS AND MIRROR MONITOR DEVICES, YOU UNDERSTAND AND AGREE THAT THE PARKMATE SERVICES ARE PROVIDED ON AN "AS IS" AND "AS AVAILABLE" BASIS. PARKMATE MAKES NO WARRANTY THAT THE PARKMATE SERVICES WILL MEET YOUR REQUIREMENTS OR THAT USE OF THE PARKMATE SERVICES

WILL BE UNINTERRUPTED, TIMELY, SECURE OR ERROR-FREE NOR DOES PARKMATE MAKE ANY WARRANTY AS TO THE ACCURACY OR RELIABILITY OF ANY INFORMATION OBTAINED THROUGH THE PARKMATE SERVICES (INCLUDING THIRD PARTY CONTENT), THAT ANY DEFECTS IN THE PARKMATE SERVICES WILL BE CORRECTED OR THAT THE PARKMATE PRODUCTS OR PARKMATE SERVICES WILL BE COMPATIBLE WITH ANY OTHER SPECIFIC HARDWARE OR SERVICE. FURTHER, PARKMATE DOES NOT WARRANT THAT THE PARKMATE SERVICES OR THE PARKMATE SERVERS THAT PROVIDE YOU WITH DATA AND CONTENT ARE FREE OF VIRUSES OR OTHER HARMFUL COMPONENTS. PARKMATE ALSO ASSUMES NO RESPONSIBILITY FOR AND SHALL NOT BE LIABLE FOR ANY DAMAGES CAUSED BY VIRUSES THAT MAY INFECT YOUR PARKMATE VEHICLE DASH CAMERAS, MIRROR DASH CAMERAS, FRONT, REAR AND REVERSING CAMERAS AND MIRROR MONITOR DEVICES, COMPUTER SOFTWARE, OR OTHER HARDWARE.

YOU AGREE THAT PARKMATE IS NOT AN INSURER AND THAT PARKMATE IS NOT PROVIDING ME WITH INSURANCE OF ANY TYPE. ANY AMOUNTS THAT YOU PAY PARKMATE FOR THE PARKMATE SERVICE ARE NOT INSURANCE PREMIUMS AND ARE NOT RELATED TO THE VALUE OF YOUR VEHICLE OR PROPERTY, ANYONE ELSE'S PROPERTY LOCATED IN YOUR VEHICLE OR PREMISES, OR ANY RISK OF LOSS IN YOUR VEHICLE OR AT YOUR PREMISES. IF YOU WANT INSURANCE TO PROTECT AGAINST ANY RISK OF LOSS AT YOUR VEHICLE OR PREMISES, YOU WILL PURCHASE IT. IN THE EVENT OF ANY LOSS, DAMAGE OR INJURY, YOU WILL NOT LOOK TO PARKMATE TO COMPENSATE YOU OR ANYONE ELSE. YOU RELEASE AND WAIVE FOR YOURSELF AND YOUR INSURER ALL SUBROGATION AND OTHER RIGHTS TO RECOVER AGAINST PARKMATE ARISING AS A RESULT OF THE PAYMENT OF ANY CLAIM FOR LOSS, DAMAGE OR INJURY.

PARKMATE'S EQUIPMENT AND SERVICES DO NOT CAUSE AND CANNOT ELIMINATE OCCURRENCES OF CERTAIN EVENTS, INCLUDING, BUT NOT LIMITED TO, VEHICLE ACCIDENTS, PROPERTY DAMAGE, LOST PROPERTY, THEFT OF VEHICLE , THEFT OF PROPERTY. PARKMATE MAKES

NO GUARANTEE OR WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, THAT THE PARKMATE EQUIPMENT AND SERVICES PROVIDED WILL DETECT OR AVERT SUCH INCIDENTS OR THEIR CONSEQUENCES. PARKMATE DOES NOT UNDERTAKE ANY RISK THAT YOU OR YOUR VEHICLE OR PROPERTY, OR THE PERSON OR PROPERTY OF OTHERS, MAY BE SUBJECT TO INJURY OR LOSS IF SUCH AN EVENT OCCURS. THE ALLOCATION OF SUCH RISK REMAINS WITH YOU, NOT PARKMATE.

OTHER THAN THE ABOVE PRODUCT WARRANTY FOR THE PARKMATE VEHICLE DASH CAMERAS, MIRROR DASH CAMERAS, FRONT, REAR AND REVERSING CAMERAS AND MIRROR MONITOR DEVICES, PARKMATE AND ITS SUPPLIERS DISCLAIM ALL WARRANTIES OF ANY KIND, WHETHER EXPRESS, IMPLIED, OR STATUTORY, REGARDING THE PARKMATE EQUIPMENT AND ANY ASSOCIATED APP/ SERVICE. INCLUDING ANY IMPLIED WARRANTY OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT OF THIRD PARTY RIGHTS. BECAUSE SOME JURISDICTIONS DO NOT PERMIT THE EXCLUSION OF IMPLIED WARRANTIES, THE LAST SENTENCE OF THIS SECTION MAY NOT APPLY TO YOU. PARKMATE HEREBY FURTHER EXPRESSLY DISCLAIMS ALL LIABILITY FOR ANY CLAIMS FOR SERVICE FAILURES THAT ARE DUE TO NORMAL PRODUCT WEAR, PRODUCT MISUSE, ABUSE, PRODUCT MODIFICATION, IMPROPER PRODUCT SELECTION OR YOUR NON-COMPLIANCE WITH ANY AND ALL APPLICABLE FEDERAL, STATE OR LOCAL LAWS. THIS WARRANTY AND WARRANTY DISCLAIMER GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS THAT VARY BY STATE, PROVINCE, OR COUNTRY. OTHER THAN AS PERMITTED BY LAW, PARKMATE DOES NOT EXCLUDE, LIMIT OR SUSPEND OTHER RIGHTS YOU HAVE, INCLUDING THOSE THAT MAY ARISE FROM THE NONCONFORMITY OF A SALES CONTRACT. FOR A FULL UNDERSTANDING OF YOUR RIGHTS YOU SHOULD CONSULT THE LAWS OF YOUR STATE, PROVINCE, OR COUNTRY. FOR OUR AUSTRALIAN CUTOMERS: PLEASE NOTE THAT THIS WARRANTY IS IN ADDITION TO ANY

STATUTORY RIGHTS IN AUSTRALIA IN RELATION TO YOUR GOODS WHICH, PURSUANT TO THE AUSTRALIAN CONSUMER LAW, CANNOT BE EXCLUDED.

9.0 LIMITATIONS OF PARKMATE LIABILITY

UNDER NO CIRCUMSTANCES WILL PARKMATE BE LIABLE IN ANY WAY FOR ANY CONTENT, INCLUDING, BUT NOT LIMITED TO, THE LOSS OF CONTENT, ANY ERRORS OR OMISSIONS IN ANY CONTENT, OR ANY LOSS OR DAMAGE OF ANY KIND INCURRED IN CONNECTION WITH USE OF OR EXPOSURE TO ANY CONTENT POSTED, EMAILED, ACCESSED, TRANSMITTED, OR OTHERWISE MADE AVAILABLE VIA THE PARKMATE APP.

PARKMATE LIABILITY FOR DAMAGES, ESPECIALLY FOR BREACH OF DUTY OR OBLIGATION, DELAY IN PERFORMANCE, NON-PERFORMANCE, OR MALPERFORMANCE SHALL BE PRECLUDED, EXCEPT WHEN THESE ARE DUE TO NEGLIGENT BREACHES OF ANY SIGNIFICANT CONTRACTUAL DUTY OR OBLIGATION ON THE PART OF PARKMATE. ANY LIABILITY FOR NEGLIGENCE IS LIMITED TO DIRECT LOSSES USUALLY AND TYPICALLY FORESEEABLE IN SUCH CASE. SHOULD THE CLAIM FOR DAMAGES BE BASED ON WILFUL OR GROSSLY NEGLIGENT BREACH OF CONTRACTUAL DUTY OR OBLIGATION ON THE PART OF PARKMATE, THE PRECLUSION AND LIMITATION OF LIABILITY MENTIONED IN THE PRECEDING SENTENCES WILL NOT APPLY. THE PRECEDING PRECLUSION AND LIMITATION OF LIABILITY WILL ALSO NOT APPLY TO CLAIMS FOR DAMAGES ARISING OUT OF LOSS OF LIFE, BODILY INJURY OR HEALTH IMPACTS FOR WHICH PARKMATE MAY BE LIABLE, OR FOR NON-CONTRACTUAL LIABILITY.

SOME STATES AND COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. ADDITIONALLY, THIS PROVISION IS NOT INTENDED TO LIMIT PARKMATE'S LIABILITY IN THE EVENT OF PARKMATE'S WILLFUL OR INTENTIONAL MISCONDUCT.

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