parkmate

PM-81HYR

Heavy Duty Hybrid Camera with AHD and TVL Resolution



USER MANUAL

YOUR SAFETY COMES FIRST

HYBRID 960P AHD / 900 TVL

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1.0 INTRODUCTION

Thank you for purchasing Parkmate's PM-81HYR 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-81HYR 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



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.

1.2 TECHNICAL SPECIFICATIONS:

Signal System:	NTSC/PAL
Horizontal Resolution:	900 TVL/960 AHD
Minimum Illumination:	0.0 Lux
Diagonal Angle:	150°
Waterproof Rating:	IP69K
Nominal Voltage:	12V/24V
Working Temperature:	-30°C to 85°C

2.0 WIRING DIAGRAM



Front view option: PM-81HYR functions as a rear view camera as standard.

PM-81HYR cable harness and programmer



Programming Module Image

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 monitor.

4.0 TROUBLESHOOTING

PROBLEM	SOLUTION
"No Signal" appears while reversing	 Check video input connections 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 USING CONTROLLER TO CHANGE OUTPUT RESOLUTION

The PM-81HYR camera has **PAL** and **AHD** settings by default. Default settings can be quickly changed by using the camera programming module (supplied).

The camera programming module has to be connected with the camera connector as shown in above figure.

NOTE : Please note AHD output will only work with AHD compatible monitors. CVBS output can work with both AHD and CVBS compatible monitors.

6.1 "QUICK CHANGE" DEFAULT SETTINGS

- After the camera is connected with the programming module and the monitor please follow below steps.
- Press the Down button for 5 seconds, Camera output will switch to PAL from NTSC. Repeat the same step to revert to PAL.
- Press the LEFT key for 5 seconds, the output of camera will change from AHD to CVBS. Repeat the same step to revert to AHD.

6.2 MENU CHANGE INSTRUCTIONS

 After the camera is connected with the programming module and the monitor please follow the below steps.

TO CHANGE LANGUAGE (IF REQUIRED) : DEFAULT LANGUAGE IS ENGLISH.

- Press the OK key and the screen will change to the MAIN MENU.
- Using UP or DOWN key navigate to the item no 7, SPECIAL and press the OK key which will open up a new sub Menu page.
- Using UP and DOWN key go to menu option 5 and press the LEFT or RIGHT key to change to desired Language.

 Press DOWN key to reach menu option RETURN, Press OK key to return to MAIN MENU. Using UP and DOWN key reach to menu option SAVE & EXIT, press the OK key which will save the settings and will navigate out of the programming menu.

6.3 CHANGE THE DEFAULT MIRROR IMAGE TO REAL IMAGE (TO USE CAMERA AS FORWARD FACING OR USE WITH DVR).

- 1. Press the OK key to enter into MAIN MENU.
- Press UP and DOWN key to reach menu option 7, SPECIAL and press the OK key which will open sub menu page.
- Using UP and DOWN key select option 2, D-EFFECT. Press OK button to enter the sub menu.
- Pressing UP and DOWN key, select option 2 and press OK key which will open V- FLIP, using LEFT and RIGHT key, change the orientation of the image to REAL image.

Test the image by pressing "Test" in camera view and you should be able to read text confirming REAL Image

To change back to MIRROR image, follow the same above mentioned steps.

6.4 HYBRID CAMERA

OSD MENU TREE



6



6.5 SETTING UP THE MENU

Settings can be changed using the OSD Programming Controller.

- Press the menu button to access the SETUP mode. The SETUP menu is displayed on the monitor.
- Please select any function you wish to activate by using the UP / DOWN buttons on the programming controller. The cursor can be moved up or down by using the UP / DOWN selections. Position the cursor to point to the function you wish to operate.



*Please see Programming Module Image on Page 4 for which buttons to press.

MAIN MENU: Use UP / DOWN button. SUB MENU: Use LEFT / RIGHT button.

- Change the status of the selected feature using the LEFT / RIGHT buttons. When the LEFT or RIGHT selection is done, available values and modes are displayed in order.
- 4. When completed, move the cursor indicator to **EXIT** position and press the menu button to finish the setting.
- NOTE: If 4 Appears at the mode you wish to operate, it means that there is a sub-menu which can be selected by OSD programming controller.

MAIN	MENU
▶1. LENS	DC
2. EXPOSURE	4
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY&NIGHT	AUTO 🗧
6. NR	4
7. SPECIAL	e -
8. ADJUST	4
9. EXIT	SAVE&END

- 1. MANUAL When manual lens is used.
- 2. DC When DC IRIS lens is used
 - MODE: INDOOR Adjusts the MAX SHUTTER OUTDOOR - Adjusts the MAX SHUTTER

You can select the MAX SHUTTER from 1/60 to 1/50,000 sec (NTSC), and 1/50 to 1/50,000 sec (PAL).



- IRIS SPEED: Adjusts the IRIS SPEED 0 ~ 15.

- RETURN: Return to the MAIN MENU or SAVE & EXIT.

6.7 EXPOSURE



1. SHUTTER:

- DC: When lens mode is on DC, shutter will be deactivated. MANUAL

- A. AUTO: The shutter speed is controlled automatically.

 - B. FLK: Please select FLK mode when flickering occurs on the screen, due to an imbalance between illumination and frequency.

- C. FIXED: The shutter speed is controlled manually.
 -You can select the speed from 1/30 to 1/50,000'sec. (NTSC), 1/25 to 1/50,000 sec. (PAL)
- 2. AGC (Auto Gain Control) Adjusts the AGC 1 ~ 15.



3. INCREASE SENSITIVITY

- Low light sensitivity is greatly improved with the use of this function.

- Low light sensitivity level is adjustable from 2 to 30 times.
- When SENS-UP level is higher, the picture becomes brighter while noise is increased at the same rate of SENS-UP.

AUTO : Adjustable **SENS-UP** level between x2 ~ x30.

OFF : SENS-UP is disabled.

X Default setting is <x4>



4. BRIGHTNESS - Adjusts the brightness in 1 ~ 100. (Default 40).

 D-WDR (Digital Wide Dynamic Range) - D-WDR Function scans both dark and bright clearly. This model achieves its best set up for different levels of backlit or contrast lighting situations.

EXPOS	SURE
1. SHUTTER	AUTO 🖨
2. AGC	115
3. SENS-UP	AUTO 🖨
4. BRIGHTNESS	100100000000000000000000000000000000000
▶5. D-WDR	OFF
6. DEFOG	OFF
7. RETURN	RET

- Adjusts the level in 0 ~ 8. (Default 2)



(A) Original Image

(B) D-WDR ON

 DEFOG - Images in low visibility environments such as fog or rain or in a very strong luminous intensity have DR (dynamic range), lower than ordinary images. Contrast-based defog function is used to overcome such shortcoming.

EXPOSURE				
1. SHUTTER	AUTO 🖨			
2. AGC	115			
3. SENS-UP	AUTO (
4. BRIGHTNESS	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			
5. D-WDR	OFF			
▶6. DEFOG	OFF			
7. RETURN	RET			
<hr/>				

- POS / SIZE: Determines the coordinate of the vertical / Horizontal position and size.

DEF	OG	
►1. POS / SIZE	4	
2. GRADATION 3. DEFAULT	0	
4. RETURN	RET	

- GRADATION: Adjusts the gradation 0 ~ 2.

- DEFAULT: Initialize all settings of the defog.
- RETURN: Return to EXPOSURE or SAVE & EXIT.
- 7. RETURN: Return to the MAIN MENU or SAVE & EXIT.



(A) Original Image

(B) DEFOG ON



1	,	
	MAIN	MENU
	1. LENS	DC
Б	2. EXPOSURE	0FF
2	4. WHITE BAL	ATW
	5. DAY&NIGHT	AUTO 🔶
	6. NR 7. SPECIAL	4
	8. ADJUST	é.
Ċ	9. EXIT	SAVE&END
~		

1. BLC - Used for backlight environment. (HIGH / MIDDLE / LOW)





 HSBLC - Can mask the head lights to view car license number plates more clearly.

ECLIPSE MASKING AREA



MAIN	IENU	HS	BLC
1. LENS 2. EXPOSURE B. BACKLIGHT 4. WHITE BAL 5. DAY&NIGHT 6. NR 7. SPECIAL 8. ADJUST 9. EXIT	DC 4 HSBLC4 ATW AUTO 4 4 4 SAVE&END 4	►1. SELECT 2. DISPLAY 3. BLACK MASK 4. LEVEL 5. MODE 6. DEFAULT 7. RETURN	AREA1 ON↓ ON ALL DAY ↓ RET↓

- SELECT: You can select up to 4 areas.
- DISPLAY: Determines whether to use the **HSBLC** selected in **AREA SELECT**.
- ON: Determines the coordinate of the vertical / horizontal position and size.
- BLACK MASK: BLACK MASK ON / OFF
- LEVEL: Adjusts the level 0 ~ 100.
- MODE: ALL DAY / NIGHT Adjusts the AGC level 0 ~ 255 when selecting NIGHT.
- DEFAULT: Initialize all settings of the HSBLC.
- RETURN: Return to the MAIN MENU or SAVE & EXIT.
- 3. OFF

6.9 WHITE BALANCE

This is useful when the camera is installed in different artificial lighting conditions where a standard 'White Balance' condition is not suitable for alll.

MAIN	MENU
1. LENS	DC
2. EXPOSURE	
BACKLIGHT	OFF
▶4. WHITE BAL	ATW
5. DAY&NIGHT	AUTO 🖨
6. NR	4 1
7. SPECIAL	4 I
8. ADJUST	4
9. EXIT	SAVE&END

- ATW (Auto Tracking White Balance): This mode can be used within the colour temperature range 2,000K - 20,000K.
- AWB (Auto White Balance): Shows the AWB encompassing all the colour temperature spaces without separately specifying a white area in-line with the colour temperature.
- MANUAL: In the Manual mode, the user can choose the colour and temperature. The user can adjust the colour and temperature by changing the red and blue gain.

	MANUAL	
▶1. BLUE		50
2. RED		50
3. RETURN	RET	

- 4. OUTDOOR: A colour temperature is fixed for use in the outdoor environment.
- 5. INDOOR: A colour temperature is fixed for use in the indoor environment.
- AWC → SET: This mode is used to fix the colour temperature value once it is set under a certain colour temperature environment. When AWC → SET of the OSD MENU is on, the colour temperature is fixed in 1-2 seconds.

If one or more values of each OPD Block are included in the **ATW** area, the colour temperature is fixed by the corresponding **OPD** data. Otherwise, it becomes fixed by all the **OPD** data.

6.10 BLACK AND WHITE IMAGE

You can display pictures in colour or black / white.



 AUTO: Automatically turns between Day and Night mode according the CDS operation.

You can select the duration time of the Day / Night mode by changing 0 \sim 60.

- D N: To adjust LUX level for switching Day to Night
- N D: To adjust LUX level for switching Night to Day
- 2. EXIT: Colour or black / white is controlled by the signal coming from an external GPIO port.
- 3. BW: The picture is always in black and white.
 - BURST: ON / OFF
 - IR AMART: ON / OFF Adjusts the level 0 ~ 15. (Default 3)
- 4. COLOUR: The picture is always in colour.

6.11 NR (NOISE REDUCTION)

Noise Reduction (NR) is used in order to obtain a high quality output image and enhance compression efficiency. Offers Edge Preserving **2D NR** and Motion Adaptive **3D NR**.



1. 2D NR: Cuts off the noise in low light conditions.

	NR	
▶1. 2DNR	ON 🖨	
2. 3DNR	ON 🖨	
3. RETURN	RET	

- 2. 3D NR: Cuts off the noise in low light conditions.
- 3. RETURN: Return to the MAIN MENU or SAVE & EXIT.

9. SPECIAL

1. CAM TITLE: If you enter a title, the title will appear on the monitor.

1. Position the arrow to point to $\ensuremath{\text{SPECIAL}}$ using the $\ensuremath{\text{UP}}$ and $\ensuremath{\text{DOWN}}$ selection.

2. Select ON by using the LEFT and RIGHT selection. When you press the button to complete ON, it will display CAM TITLE.

NOTE: If OFF is selected, CAM TITLE will not appear on the monitor, even if it has been input.

SPECIAL	CAM TITLE	FRONT DOOK
I. CAN TITLE ON 2. D-EFFECT 4 3. MOTION OFF 4. PRIVACY OFF 5. LANGUAGE ENG 4 6. DEFECT 4 7. RETURN RET	0123456789 ABCDEFGHJK LMNOPQRSTUV WXYZ → +++t() 	

3. Up to 15 letters are available for the CAM TITLE.

- Move the cursor to the letters by using the **UP** and **DOWN** selections.

- Set an ID from 0-9, A-Z by using the **UP**, **DOWN**, **LEFT** and **RIGHT** selections.

- Lock in the letters by using the button. When the letter is locked in, the cursor will move to the next space.

- Repeat the above to input CAM TITLE.

4. When a name has been chosen, please select a position for the name to display.

- Move the cursor onto POS and then press the button.
- The name will appear at the top right corner.

- Find the position you wish to display the name by using the 4 directional selections, and then press the button to finish.

5. Select END, press button to complete CAM TITLE input.

2. D-EFFECT:

SPECIAL	D-EFFECT
1.CAM TITLE ON D2.D.EFFECT ↓↓ 3. MOTION OFF 4. PRIVACY OFF 5. LANGUAGE ENG ↓ 6. DEFECT ↓↓ 7. RETURN RET ↓	►1.FREEZE OFF 2. MIRROR OFF 3. NEG. IMAGE OFF 4. RETURN RET.

- FREEZE: You can view still or moving pictures.

- MIRROR: ROTATE / V-FLIP / MIRROR / OFF.

- NEG. IMAGE: Negative ON / OFF

- RETURN: Return to SPECIAL MENU or SAVE & EXIT.

3. MOTION

SPECIAL		
1. CAM TITLE 2. D-EFFECT	OFF	
▶3. MOTION	OFF	
 PRIVACY 	OFF	
5. LANGUAGE	ENG 🗧	
6. DEFECT	e -	
7. RETURN	RET	

- SELECT: You can select up to 4MD areas.

MOTION		
▶1. SELECT	AREA1	
2. DISPLAY	OFF	
3. SENSITIVITY	30	
4. COLOR	BLUE	
5. TRANS	1.00	
6. ALARM	TIME	
7. DEFAULT	4	
8. RETURN	RET	

- DISPLAY: Determines whether to use the MD area selected in $\ensuremath{\textbf{AREA}}$ SELECT.

ON: Determines the coordinate of the vertical / horizontal position and size.

- SENSITIVITY: Determines the coordinate of sensitivity.
- COLOUR: GREEN, RED, WHITE and BLUE.
- TRANS: Set the colour transparency for displaying a detected area.
- ALARM: Set the alarm output (VIEW TYPE, OSD VIEW, etc)
- DEFAULT: Initialize all setting of the MOTION.
- RETURN: Return to SPECIAL MENU or SAVE & EXIT.
- 4. PRIVACY



SELECT: You can select up to 4 PRIVACY areas.

PRIVACY		
1. SELECT	AREA1	
2. DISPLAY	OFF	
3. COLOR	0	
4. TRANS	3	
5. DEFAULT	4	
6. RETURN	RET	

DISPLAY: Determines whether to use the MD area selected in **AREA SELECT.**

COLOUR: CYAN, GREEN, YELLOW, BLUE, RED, WHITE, WHITE and USER.

TRANS: Set the colour transparency for displaying a detected area.

DEFAULT: Initialize all setting of the PRIVACY.

RETURN: Return to the SPECIAL MENU or SAVE & EXIT.

5. LANGUAGE

ENG / ARB / HEB / JPN / KOR / TUR / NED / POR / RUS / POL / SPA / ITA / FRA / GER / CHN2 / CHN1.

(Supports up to 16 Languages)



6. DEFECT

SPECIAL		
1. CAM TITLE	OFF	
2. D-EFFECT		
3. MOTION	OFF	
4. PRIVACY	OFF	
5. LANGUAGE	ENG 🖨	
▶6. DEFECT	4	
7. RETURN	RET	

- LIVE DPC (Live Dead Pixel Correction)

- AGC Level: Adjust the AGC level 0 ~ 255.

- LEVEL: Adjust the LEVEL 0 ~ 100.

- RETURN: Return to DEFECT MENU or SAVE & EXIT.



- WHITE DPC (White Dead Pixel Correction)

WHITE DPC	
►1. POS / SIZE	**
2. START	4
3. DPC VIEW	OFF
4. LEVEL	10
5. AGC	10
6. SENS-UP	x4
7. RETURN	RET

- POS / SIZE: Adjusts the position and size.
- START
- DPC VIEW: ON / OFF
- LEVEL: Adjust the LEVEL 0 ~ 60.
- AGC: Adjust the LEVEL 0 ~ 14.
- SENS-UP: Adjust the LEVEL x2 ~x30.
- RETURN: Return to DEFECT MENU or SAVE & EXIT.
- BLACK DPC (Black Dead Pixel Correction)

BLAC	K DPC	
▶1. POS / SIZE	4	
2. START	ų.	
3. DPC VIEW	OFF	
4. LEVEL	255	
5. RETURN	RET (

- POS / SIZE: Adjust the position and size.
- START
- DPC VIEW: ON / OFF
- LEVEL: Adjust the $\ensuremath{\text{LEVEL}}$ 0 \sim 255.
- RETURN: Return to DEFECT MENU or SAVE & EXIT.

- RETURN: Return to SPECIAL MENU or SAVE & EXIT.

7. RETURN: Return to MAIN MENU or SAVE & EXIT.

6.12 ADJUST

MAIN MENU	
1. LENS	DC
2. EXPOSURE	H
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY&NIGHT	AUTO 🗧
6. NR	÷
7. SPECIAL	÷
▶8. ADJUST	4 ·
9. EXIT	SAVE&END
\subseteq	

- 1. SHARPNESS:
 - LEVEL: Adjusts the LEVEL 0 ~ 255.

- START AGC: When the level is high, the sharpness of picture at night is improved while noise is increased.

- END AGC: Set to 255 level for optimised definition at night.
- RETURN: Return to ADJUST MENU or SAVE & EXIT.



- 2. MONITOR
 - A. LCD
 - GAMMA: Adjust LEVEL 0.45 ~ 1.00, USER.
 - BLUE GAIN: Adjust LEVEL 0 ~ 100.
 - RED GAIN : Adjust LEVEL 0 ~ 100.
 - RETURN: Return to ADJUST MENU or SAVE & EXIT.



B. CRT

- BLUE GAIN: Adjust LEVEL 0 ~ 100.
- RED GAIN : Adjust LEVEL 0 ~ 100.
- RETURN: Return to ADJUST MENU or SAVE & EXIT.

3. LSC

Lens Shading Correction (LSC) corrects the instance where the image gets darkened or blurred on the periphery.



4. VIDEO OUT

NTSC / PAL: Video output can be set to NTSC or PAL according to local TV standard.

ADJI	JST	
1. SHARPNESS	AUTO 🖨	
2. MONITOR	LCD 🗲	
3. LSC	OFF	
►4. VIDEO.OUT	NTSC	
5. OUT. MODE	AHD	
6. RETURN	RET	

5. OUT. MODE

ĺ	ADJUST	
	1. SHARPNESS 2. MONITOR	AUTO ← LCD ←
	3. LSC 4. VIDEO.OUT	OFF
	▶5. OUT. MODE	AHD
ļ	6. RETURN	RET

6. RETURN: Return to MAIN MENU or SAVE & EXIT.

If the version of DVR is 1.0, **DISTANCE** menu is added. **DISTANCE** menu enables to choose **NORMAL** or **LONG** depending on length of cable.

6.13 EXIT

MAIN	MENU
1. LENS	DC
2. EXPOSURE	4
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY&NIGHT	AUTO 🖨
6. NR	4
7. SPECIAL	4
8. ADJUST	4
▶9. EXIT	SAVE&END

- 1. SAVE & EXIT: Save the current settings and exit the menu.
- 2. NOT SAVED: Do not save the current settings and exit the menu.
- 3. RESET: Reset the camera settings to factory default.

7.0 CARE AND MAINTENANCE

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

8.0 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 Australia Pty Ltd (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

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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 UNINTERBUPTED TIMELY SECURE OR EBBOR-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 VIBUSES THAT MAY INFECT YOUR PARKMATE VEHICLE DASH CAMERAS. MIRROR DASH CAMERAS, FRONT, REAR AND REVERSING CAMERAS AND MIRBOR 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 BISK 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 CENTAIN EVENTS, INCLUDING, BUT NOT LIMITED TO, VEHICLE ACCIDENTS, PROPERTY DAMAGE, LOST PROPERTY, THEFT OF VEHCLE, 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 NON INFRINGEMENT OF THIRD PARTY RIGHTS, BECAUSE SOME JURISDICTIONS DO NOT PERMIT THE EXCLUSION OF IMPLIED WARBANTIES. 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 WARBANTY 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 CUSTOMERS' PLEASE NOTE THAT THIS WARBANTY IS IN ADDITION TO ANY

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

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 PRECI USION AND LIMITATION OF LIABILITY MENTIONED IN THE PRECEDING SENTENCES WILL NOT APPLY THE PRECEDING PRECI USION 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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