

parkmate 

7.3" SUPER WIDE LCD SCREEN REAR VIEW MIRROR MONITOR



RVM-073A User Manual

Thank you for purchasing the Parkmate **RVM-073A** rear view mirror monitor. This state of the art Parkmate product is packed with features including a 7.3" monitor embedded into the rear view mirror that displays the video feed from up to three installed rear or side view cameras. This product uses the most advanced technology and components to provide you with a long service life and integrates perfectly with the factory look of your vehicle to add a high level of safety and security to your driving experience..

Please note: Although this product will minimise your blind spots while driving, it does not remove the responsibility of driving the vehicle from the driver. The legal responsibility and safe driving practice remains with the driver at all times.

You have purchased this Parkmate product with the understanding that this rear view mirror monitor has been designed to be used as an aid only. We highly recommend that you have this product professionally installed to ensure that all features function correctly and are optimised for your vehicle.

Please note: The **RVM-073A** does not include any rear or side view cameras. It is recommended that the **RVM-073A** is used with Parkmate brand reverse cameras. To view the full range of Parkmate reverse cameras please visit www.parkmate.com.au or contact your local Parkmate dealer.

SPECIFICATIONS

Screen Size	7.3"
Display Screen	TFT-LCD
Display Resolution	1280 x 390
Aspect Ratio	16:5
Working Voltage	DC 12V
Video Input	Video-In (e.g. GPS / DVD (default) + Reverse Camera-In
Signal System	PAL / Auto / NTSC

PACKAGE CONTENTS

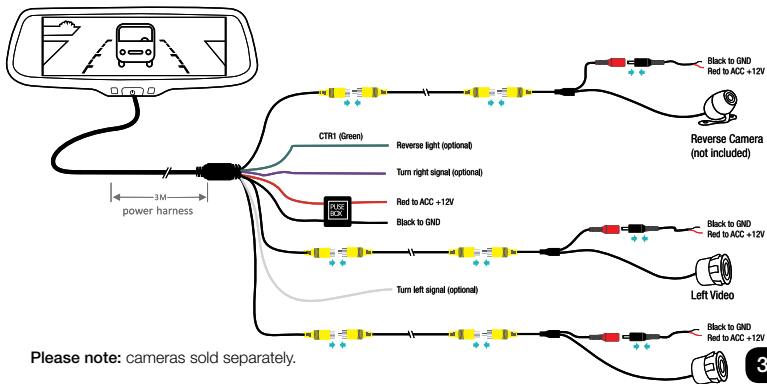
- 7.3 inch wide LCD Display Mirror
- Wire Harness
- User's Manual
- Cable Shield
- Connector Shield
- Remote Control

PRODUCT DIAGRAM



WIRING OPTIONS

To install the RVM-073A connect the Rear View Mirror Monitor to the supplied harness, then connect the harness to the wiring of the vehicle as per the diagram below.



ADVISED POSITIONING OF THE CAMERAS



PLEASE NOTE: REVERSE CAMERA AND SIDE CAMERAS ARE NOT SUPPLIED WITH THE **RVM-073A**. IF YOU HAVE PURCHASED A REVERSE CAMERA PLEASE FOLLOW THE INSTALLATION INSTRUCTIONS SUPPLIED WITH THE CAMERA

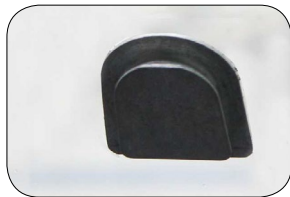
1. When the rear view mirror monitor is powered on and the reverse gear of the vehicle is engaged, the system will automatically switch from the video source to reverse camera video. When reverse gear is disengaged the system will revert back to the original video source.
2. When the rear view mirror monitor's screen is powered off and the reverse gear is engaged, the screen will engage and automatically switch to the camera signal and display the reverse camera video. When reverse gear is disengaged the system will power down again.

INSTALLATION GUIDE

Your Parkmate **RVM-073A** mirror monitor comes bundled with a generic mounting bracket to fit to your original windscreen mirror base. You will need to remove your original mirror and replace it with the supplied **RVM-073A** mirror and bracket to correctly install this product. The generic mount used by the **RVM-073A** is designed to fit most vehicles. Please check that your vehicle uses a compatible mount before attempting to install the **RVM-073A**. (See Page 6 for information on vehicle specific mounting options.)



Original Car Rear View Mirror



Remove the original rear view mirror leaving the metal base on the windscreen

Note: The rear view mirror in some cars may be harder to remove than others. If you are having difficulties removing your original rear view mirror, please do not use excessive force as you risk breaking your windscreen. If you are having any difficulty removing your vehicle's original mirror, we recommend you seek a professional installer.

HOW TO INSTALL THE RVM-073A REAR VIEW MIRROR ON YOUR VEHICLE'S WINDSCREEN



Line up the mounting bracket with the universal mount



Insert the bracket into the top of the mount aligning both edges



Slide the bracket into position in the direction specified



Fix the bracket in place by tightening the screw in the direction specified with a hex/allen key







It is highly recommended that you seek the professional help of an auto installer before removing your original windscreen mirror base and fitting the **RVM-073A**.

MOUNTING BRACKET/ARM

The **RVM-073A** comes with a generic mounting bracket suitable for most vehicles. If your vehicle's mounting plate is not compatible with the generic bracket provided, Parkmate has a range of vehicle specific mounting brackets available at www.parkmate.com.au or through your local Parkmate dealer.

FITTING VEHICLE SPECIFIC MOUNTING BRACKETS (sold separately)

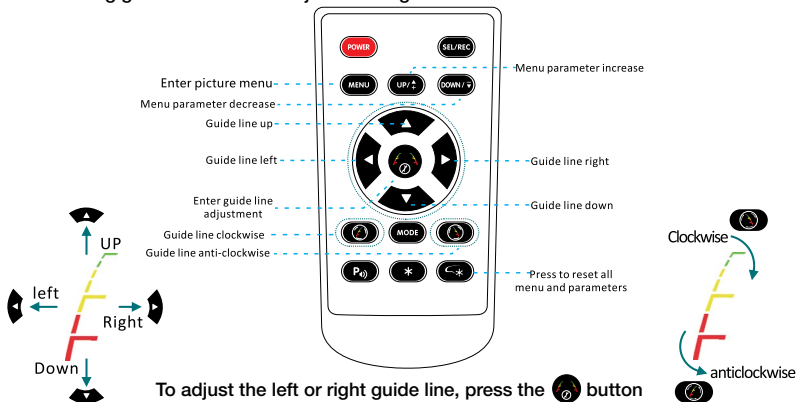
<p>1. Unscrew the screw on the underside of the attached bracket.</p>	
<p>2. Remove the generic bracket from the mounting arm.</p>	
<p>If your replacement bracket includes a mounting arm continue onto step 3. If your replacement bracket DOES NOT include a mounting arm please go to step 6.</p>	
<p>Please note that this step is only required if the replacement bracket includes a mounting arm.</p> <p>3. Remove the screw from the barrel of the mounting arm by inserting a Philips head screwdriver into the opening at the base of the arm and unscrewing the screw securing the mounting arm to the mirror monitor's ball joint.</p>	
<p>Please note that this step is only required if the replacement bracket includes a mounting arm.</p> <p>4. Remove the mounting arm from the mirror monitor's ball joint.</p>	
<p>Please note that this step is only required if the replacement bracket includes a mounting arm.</p> <p>5. Insert the replacement arm and fix to the mirror monitor's ball joint using the included screw.</p>	
<p>6. Fix your replacement bracket to the mounting arm using the included screw.</p>	

REVERSING GUIDE LINE SETUP

Guide lines are used to guide the driver when reversing and to help estimate the distance of obstacles from the rear of the vehicle.

- The three coloured bands are used to give an indication of distance.
- The furthest green lines highlight the space between 2 metres to 3 metres directly behind your vehicle.
- The yellow lines highlight the space between 1 metre and 2 metres directly behind your vehicle.
- The red lines highlight the space between 0.4 metres to 1 metre directly behind your vehicle.
- Any objects closer than 0.4 metres will fall outside of the range of the camera.
- The guide lines will need to be calibrated and set up correctly before these guide lines will be accurate.

Reversing guide lines can be adjusted using the remote control.



To adjust the left or right guide line, press the button

Move the guide line

When calibrating the on screen guidelines it is advised that you park your vehicle on a flat level surface and use markers (for example the road cones used in the diagram on page 8) to assist in the calibration of the on screen guidelines.

To calibrate the guidelines ensure that the **RVM-073A** is correctly installed as per the installation guide and put your vehicle into reverse. **Please note:** The reverse guidelines will not appear unless the reverse gear of your vehicle is selected.

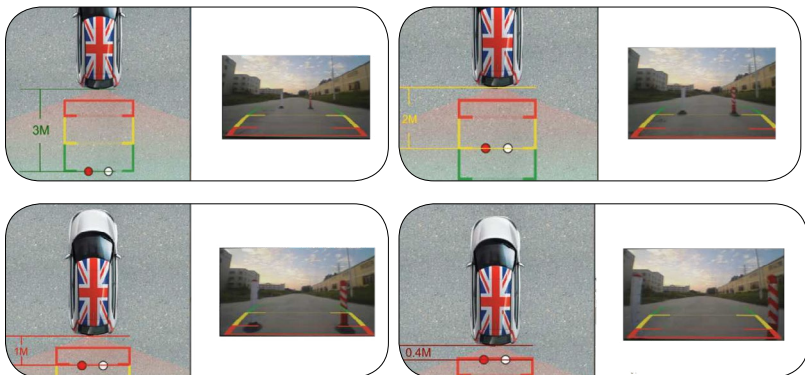
Once you vehicle's reverse gear is selected and the guide lines are visible on screen, press the guideline settings button marked on the remote control. You will now be able to adjust the left guide line. To adjust the right line, push the button on the remote control a second time.

To make the adjustments of position, use the (UP), (DOWN), (LEFT), and (RIGHT) buttons on the remote control to move the selected guideline in the corresponding direction.

To adjust the angle of the selected line, use the button on the remote control to rotate the guideline anticlockwise, and the button on the remote control to rotate the selected guideline clockwise.



These adjustment controls should be used to calibrate so that the red zone highlights the space between 0.4 metre and 1 metre directly behind your vehicle, the yellow zone highlights the space between 1 metre and 2 metres behind your vehicle, and the green zone highlights the space between 2 metres and 3 metres behind your vehicle.

The optimum operating distance for the remote control is 0.5 metres to 1 metre. When using the remote control, please ensure that you are pointing the remote at the RVM-073A.



Please note: if your installed camera has integrated guide lines, you will need to either disable them on the camera or on the mirror monitor. To turn off the guide lines on the mirror monitor, please see instructions on page 10.

COLOUR MODE DISPLAY

The colour mode can be changed to any of the pre-set defaults using the on screen  button. Pressing the  button will cycle through the pre-sets BEAUTIFUL, BRIGHT, SOFT, and STANDARD with STANDARD being the default setting.

Reverse Camera

The reverse camera feed can be displayed on the screen at any time by pressing the on screen **R** button. When you are finished with this view you can switch the display back to the previous screen by pushing the **CH** button.

Channel Select

To cycle through the video input feeds use the on screen **CH** button. This will give you the option to display either one of your video inputs in full screen, or both side by side in split screen mode. You can also manually use the **CH** button to display the video feed from the rear view camera.

IMAGE SETTINGS

REMOTE CONTROL

The menu settings can be edited and adjusted using the remote control.

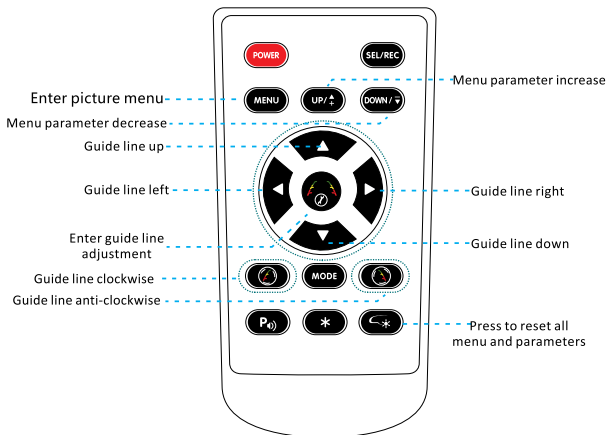


IMAGE SETTINGS

Pressing the **MENU** button will show the image setting menu.

In this menu you can use the **MENU** button to cycle between the Brightness, Colour, Contrast, and Scale menus.

Brightness Settings

In the Brightness menu the display brightness can be adjusted by using the **UP / ↑** (UP) and **DOWN / ↓** (DOWN) buttons on the remote control. The default setting is 50 and can be adjusted as high as 100 (making the display brighter) or as low as 0 (making the display darker).



Colour Settings

In the Colour menu the vibrancy of the colour on the displayed image can be adjusted by using the **UP / ↑** (UP) and **DOWN / ↓** (DOWN) buttons on the remote control. The default setting is 50 and can be adjusted as high as 100 (making the colour in the displayed image vibrant) or as low as 0 (making the colour in the displayed image dull).



Contrast Settings

In the Contrast Setting menu the contrast of the displayed image can be adjusted by using the **UP/▲** (UP) and **DOWN/▼** (DOWN) buttons on the remote control. The default setting is 50 and can be adjusted as high as 100 (making the displayed image Brighter) or as low as 0 (making the displayed image darker).



Guidelines

In the Guide lines setting the on screen guide lines can be activated or deactivated using the **UP/▲** (UP) and **DOWN/▼** (DOWN) buttons to turn the on screen reversing guidelines feature on or off. **Please note** if your camera has built in guidelines this feature will not be able to deactivate the guidelines assigned by your camera.



Reset Settings

The Reset Settings option is used to reset all settings to the default settings. To reset these settings press either the **UP/▲** (UP) or **DOWN/▼** (DOWN) button on the remote control.



DISPLAY MODES

The **RVM-073A** has multiple display modes that are able to be displayed in different situations.

Driving with side cameras installed

If you have side mirrors installed on your vehicle you can display the video feed from both of these cameras by using the on screen **CH** button to cycle through the output options until the split screen option is displayed (VIDEO1, VIDEO2).



Reverse Camera

When installed correctly the **RVM-073A** can display the video feed from a rear view camera when your vehicle's reverse gear is selected. Once you deselect the reverse gear on your vehicle the reverse camera feed will disengage and the originally selected video feed will resume.



Left / Right Side Cameras

When installed correctly the **RVM-073A** can display the video feed from a side camera when the corresponding indicator is activated. When activated the side view video feed will be displayed on screen until the indicator has been disengaged.



PRECAUTIONS FOR USE OF MIRROR MONITOR

1. The Mirror monitor is made of glass. Avoid dropping the **RVM-073A** mirror monitor from any height or subjecting the device to impact or shock.
2. Do not apply excessive force to the mirrored or monitor surface as this may damage the screen causing colours to be displayed incorrectly.
3. Do not attempt to disassemble the mirror monitor. Doing so will void all warranties.
4. When cleaning the mirror monitor, spray glass cleaner onto a paper towel or micro fibre cloth. Do not spray glass cleaner directly onto the mirror monitor as this can result in damage to the internal circuitry.

SAFETY

1. The rear view mirror monitor is designed to provide visual assistance only. **Please note** that the video displayed on screen may differ to the actual conditions. It is recommended that the driver is always aware of their surroundings without solely relying on the rear view mirror monitor.
2. Do not use a rear view camera system with the vehicle's tailgate open.
3. Objects under or around the bumper cannot be displayed as it is likely they will fall outside the viewable range of your rear view camera.

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.

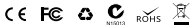
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