

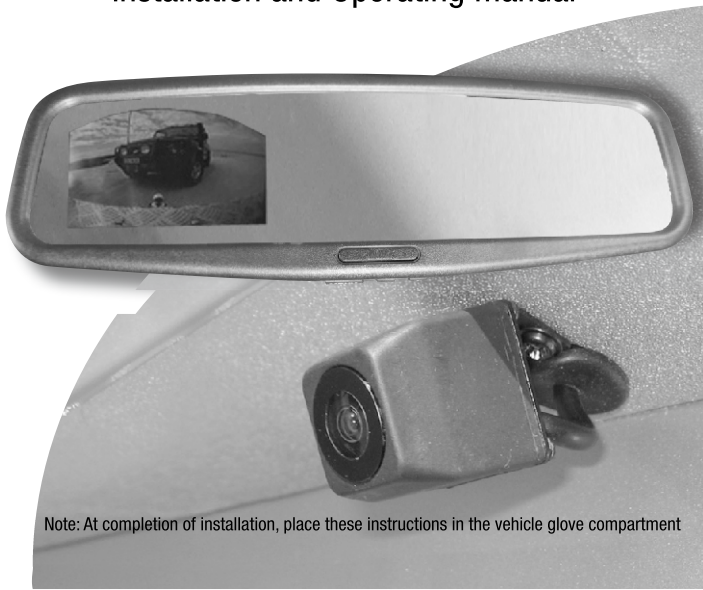


## 4X4 ACCESSORIES

# Reversing System

Includes Rearview mirror with OLED monitor  
and CMOS camera with licence plate mount bracket

## Installation and Operating manual



Note: At completion of installation, place these instructions in the vehicle glove compartment

Congratulations on the purchase of this quality ARB product. This visual reversing system may assist your reversing technique. The displayed image is intended to supplement your existing vision, use your other mirrors as well to scan the area behind your vehicle. Depending upon placement of the camera and fitted accessories, rear vision on some vehicles may still be inhibited and a visual check behind the vehicle may be required.

**Caution:** The wide angle lens of the camera is not intended to give an accurate depth of field. The object may be closer than what appears on screen.

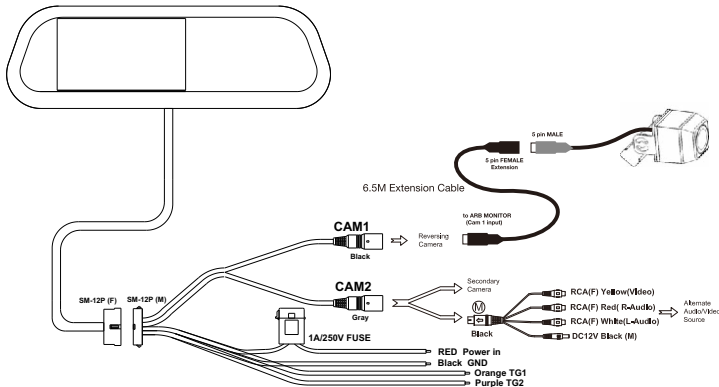
### WARNING

- This product must be installed as per these instructions
- Suitable for 12VDC/24VDC installation only
- When installing wiring ensure it is tied free from moving, hot and sharp objects
- Wiring installed to the vehicle underbody should be protected by suitable convoluted split tubing
- The installation of this product may require the use of specialised tools and/or techniques
- It is recommended that this product is only installed by trained personnel
- During installation, it is the duty of the installer to check correct operation/clearances of all components
- Work safely at all times
- Do not modify the supplied wires as they have special diodes in-built for correct function of the unit
- It is highly recommended to solder the wire joints for improved electrical connection

**NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.**



### Wiring Diagram



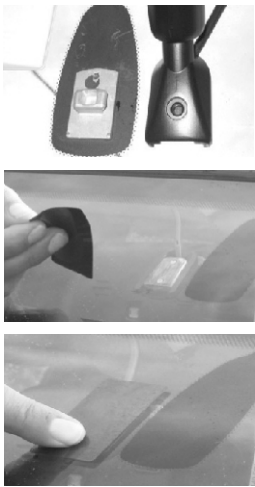
### Fitting Requirements



#### Required tools for fitment of product:

- Digital Multimeter
- Power drill, 15mm drill bit
- Screwdrivers
- Soldering Iron and solder
- Wire cutters/strippers
- Socket/Spanner set
- Panel removal tool

### Fitting procedure



#### 1(continued). UV Protection Sheet

For use where the supplied mirror mounting lug is glued to the windshield. Will protect the mount from UV exposure.

**Step 1:** Affix the mirror mount as per the included instructions.

**Step 2:** Clean the outside window glass and affix the UV Protection Sheet over the mounting lug.

**Step 3:** Push all air bubbles out from beneath the sheet and ensure sheet is stuck down completely.



**2.** Connect the main wiring loom to the mirror cable. Connect the camera extension cable to CAM 1 on the main wiring loom. Route the orange, blue and camera extension cable to the rear of the vehicle. Use conduit to protect the cables.

**Hint:** follow an original wiring loom through the vehicle to the rear, as this will usually lead to grommets and a suitably protected route. Locate the vehicle reverse wire and join the orange wire.

**3.** Connect the red wire to the vehicle accessory power (12VDC/24VDC). Connect the Black wire to the vehicle body (ground).

**Note:** Do not connect the purple wire for an auxiliary camera connected to CAM 2. The purple wire should only be used when connected to an auxiliary video source i.e. DVD (12VDC/24VDC)

Diagram provided separately

### Fitting procedure



**4.** Ensure there is adequate tailgate opening clearance, and the number plate is free from major obstructions.

**Note:** Placing the camera bracket behind the number plate will be necessary. Ensure that folding number plate brackets remain functional.



**5.** Mount the camera to the top number plate mounting holes and mark the position of the hole for the camera cable

**Note:** Carefully select the hole position so that there is sufficient room behind that the drill will not damage components and the cable can be easily fed through

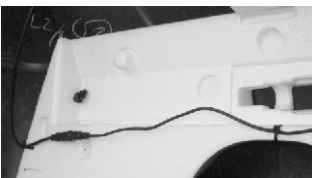


**Warning:** Drilling operations can result in flying metal debris, safety glasses should be worn



**6.** Drill a 15mm hole, remove any burrs and touch up any bare metal surfaces

**7.** Feed cable through the hole, insert grommet and connect the cable to the camera extension cable



**8.** Using tape, seal all connections to prevent water entry. Coil any excess wire in a suitable and safe location

**9.** Check operation of unit.

### Operating instructions



- The monitor will automatically activate and display the camera vision whenever the vehicle is placed in reverse. Your ARB camera has an in-built microphone so you can hear sound when the camera is activated. When reversing a series of guidelines may be displayed.



- The large button (M) can be used to manually turn the monitor on/off by pressing and holding the button for 2 seconds
- Once turned ON, pressing the button for less than 1 second will cycle the image between CAM1 (reverse camera) and CAM2 (additional camera – not supplied). Note: CAM1 image will be displayed only if auxiliary power has been connected and is available.
- Pressing the M button scrolls through the setting available:
  - Brightness, -Contrast, -Saturation,
  - Hue, -Mirror image (reverses the image)
  - TG Delay -Guideline -Reset,
- Use the ▲ or ▼ button to adjust the settings.
- In reverse mode only –
  - Guideline – G1 (small vehicles), G2 (medium vehicles), G3 (large vehicles), OFF
  - Guideline adjustment
  - Note the guidelines are adjustable in CAM1 mode
  - The guidelines can be moved sideways by pressing the ▲ or ▼ buttons in Guideline adjustment mode

- Power inputs are fitted with a 1 Amp fuse located near the main wiring harness connection.

### Parts listing



Component.	Qty	Description
OLED monitor with 2.5m cable & bracket	1	Mirror with integrated screen
Main wiring harness	1	S Video IN x 2, multiple power cables (up to 5m) with in-line fuse
RCA transfer cable	1	Alternate video connection (e.g.camcorder) into CAM 2 input
Wiring termination pack	1	Ground eyelet and screw
UV protection sheet - Black	1	UV protection for bracket adhesive
Reversing system manual	1	Installation and Operating manual
Alternate mirror mount adaptor	1	Alloy mount adaptor
Camera and bracket	1	Licence plate mount
S Video extension cable	1	Male to Female 6.5m long
Waterproof tape	1	
Hex keys	2	4mm, 1.5mm
Alternate camera bracket	1	Universal mount
Wiring termination pack	1	Ground eyelet and screw
Audio Visual & power cables	1	For connection to an Alternate display
Auxiliary camera manual	1	Installation and Operating manual

#### Not supplied in fitting kit

- Mirror adhesive. If required mirror adhesive must be purchased separately.
- Convoluted tubing

### Fitting procedure

1. Remove the original rear view mirror and replace it with your ARB mirror/monitor Where possible, use the existing rearview mirror bracket on the windscreen, otherwise adhere the supplied bracket in a suitable location. Check that the bracket is central and allows for correct function of the vehicle sun visor. Route the monitor cable inside the overhead lining and down the A pillar into the kick panel.



### Warranty



This product is to be installed and operated in accordance with the instructions provided. ARB warrants this product to be free from defects in materials or workmanship for the duration of the 3 year warranty period. ARB will at its own discretion replace or repair the faulty goods or components. Replacement parts may include remanufactured or refurbished parts.

Damage, deterioration or malfunction resulting from: incorrect installation, modification or normal wear and tear are not covered by the warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and 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. If this product requires warranty, please return to your closest ARB store accompanied with your receipt of purchase.

#### Head Office

42-44 Garden St  
Kilsyth, Victoria,  
3137 AUSTRALIA  
Tel: +61 (3) 9761 6622  
Fax: +61 (3) 9761 6807

#### Email

Australian enquiries sales@arb.com.au  
North & South American enquiries sales@arbusa.com  
Other international enquiries exports@arb.com.au

ABN 31 006 708 756

www.arb.com.au