

# HD REAR VIEW CAMERA

## USER MANUAL

MRC1992AHQ / MRC1999WAHQ



# MACROM

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### Warranty

Thank you for purchasing this Macrom product. If the product requires servicing, please refer to the shop where you purchased it or your local distributor.

The warranty does not cover accidental damage due to improper use or installation, incorrect power connections or polarity reversal, or cutting or tampering with the connection cables.

### Safety Information

Before beginning installation, disconnect the cable from the negative battery terminal to prevent short circuits during installation. This product must be installed correctly by an authorised Macrom installer. Improper installation may damage the unit and/or the vehicle. Check the electrical connections and the drivability of the vehicle before installation.

Installation of this product may not be suitable for some types of vehicles.

### Specifications

- AHD/CVBS compatible solution
- 1/3" NTSC/PAL colour CMOS camera
- IP68 waterproof
- 150° horizontal viewing angle
- 0.1 Lux night sensitivity
- Resolution:
  - AHD1920\*1080P
  - CVBS 733\*493P
- Parking guidelines (On/Off)
- Operating voltage 9 to 16 Volts =

### Product overview

#### Product view

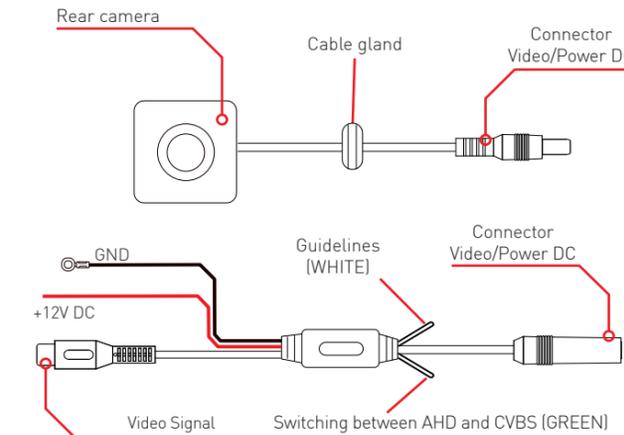
**MRC1992AHQ**  
Horizontal installation



**MRC1999WAHQ**  
Vertical installation



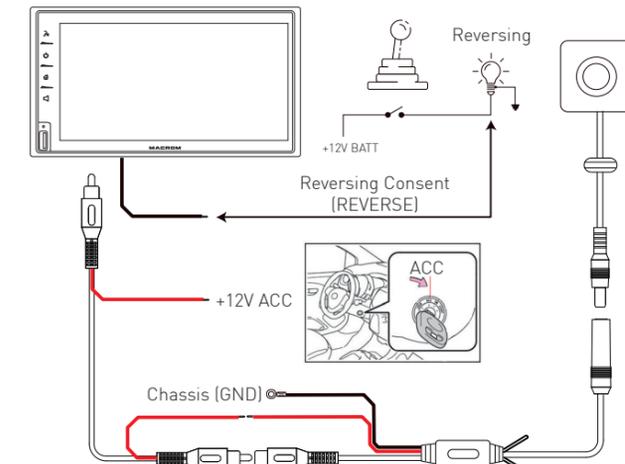
### Wiring and settings



- To activate the guidelines or switch between high resolution and composite video, cut the White (Guidelines) or Green (AHD / CVBS) cables respectively. The functions related to the cable cuts are activated when the product is restarted.



### Connection Diagram



### Installation

- Before drilling holes in the car, make sure there are no cables or mechanical and/or electronic components in the way.
- To ensure watertightness, make sure you insert the rubber grommet correctly into the hole for the cable to pass through.
- Before gluing the parts, we recommend cleaning the surfaces with a detergent (e.g. alcohol).
- Heat the surfaces to allow for good adhesion of the components.
- Connect the +12V power cable to the car's ACC service under the key.
- In order to view the rear camera image, the monitor must be equipped with REVERSE consent from the car's reverse light.

### Declaration of Conformity

**CE** The manufacturer GMA ITALIA s.r.l. declares that the rear view camera equipment model MRC1992AHQ, MRC1999WAHQ with the Macrom brand name complies with Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following Internet address: [www.macrom.it](http://www.macrom.it), or from GMA ITALIA s.r.l. - V. Di Vittorio, 7/33 Rho - 20017 (MI) Italy

Manufactured in China by GMA ITALIA s.r.l. - V. Di Vittorio, 7/33 Rho - 20017 (MI) Italy

### Information for users of household appliances

Pursuant to Legislative Decree No. 49 of 14 March 2014 'Implementation of Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)'. The crossed-out wheellie bin symbol on the equipment indicates that the product must be collected separately from other waste at the end of its useful life. The user must therefore deliver the intact equipment with its essential components at the end of its useful life to the appropriate separate collection centres for electronic and electrical waste, or return it to the retailer when purchasing new equipment of an equivalent type, on a one-to-one basis, or 1 to zero for equipment with a longest side of less than 25 cm. Proper separate collection for the subsequent recycling, treatment and environmentally compatible disposal of discarded equipment helps to avoid possible negative effects on the environment and health and promotes the recycling of the materials of which the equipment is composed. Illegal disposal of the product by the user will result in the application of administrative penalties as per Legislative Decree No. 49 of 14 March 2014.



G.M.A ITALIA s.r.l. V. Di Vittorio, 7/33 Rho - 20017 (MI) Italia

[www.macrom.it](http://www.macrom.it)