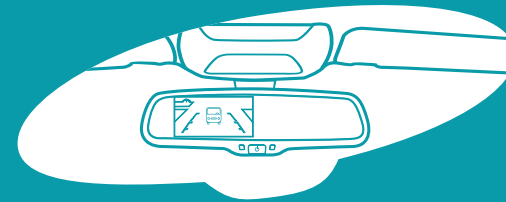




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Approval No.:  46R-04 0019



Ultra high brightness mirror monitor

User manual

AK-035LA/AK-043LA/BK-043LA/DK-043LA/EK-035LA/EK-043LA/
HK-043LA/RK-035LA/RK-043LA/SK-043LA/TK-043LA

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User's Manual

Welcome to use our ultra high brightness Rearview mirror monitor.

☒ We reserve the final explanation right on this User's Manual.

☒ Specifications are subject to change without notice. Sorry for any inconvenience caused!

☒ Please make a copy of the important data. We assume no responsibility for the data loss.

☒ This manual has been carefully checked. Please contact our service center when any typing mistake is found.

☒ Please read the operating instruction carefully and use the accessories only provided by the original factory to avoid any unexpected damage. No warranty will be executed if you are not following the instruction or connecting with the incompatible accessories, we assume no responsibility for any loss and damage caused hereby.

☒ Users can update and upgrade software from website at his/her option.

☒ Any discrepancy between the pictures with real products hereinafter, the real one prevails.

Chapter one: Product Introduction

1.1 Package

The packing box contains the following accessories, please confirm:

- ☒ Rearview mirror monitor
- ☒ wire harness
- ☒ User's manual
- ☒ wire cover
- ☒ Remote control(option)

For the items listed above, please check with your package box. If any damage, Please contact with the distributor or the agent as soon as possible.

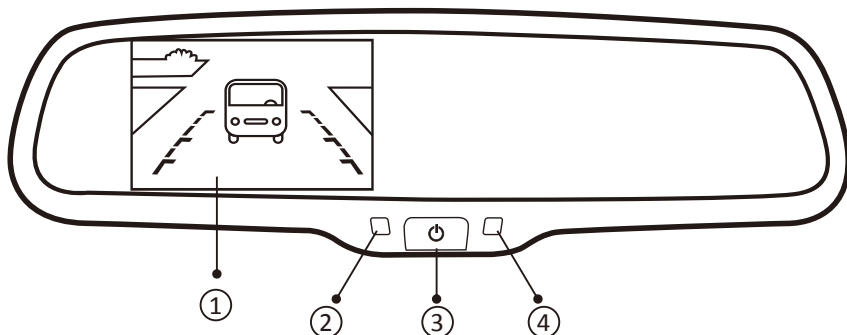
1.2 Features

- ☒ Back up camera display
- ☒ Automatically brightness adjustment
- ☒ 4.0mm glass and $\phi 23$ mm car factory OEM bracket
- ☒ Adjustable guide line (option)
- ☒ Compass and temperature (option)
- ☒ Parking sensor (option)
- ☒ Manual dimming (option)
- ☒ Auto dimming (option)

1.3 Specification

Model number	Screen Size	Display Screen	Aspect Resolution	Color Depth	Working Voltage	Video Input	Signal System
BK-043LA	4.3"	TFT-LCD	480(H) ×272(V)	16 : 9	DC 12V	VIDEO-IN to GPS /DVD (default) CAMERA to backup camera.	PAL/ AUTO/ NSTC
DK-043LA	4.3"	TFT-LCD	480(H) ×272(V)	16 : 9	DC 12V	VIDEO-IN to GPS /DVD (default) CAMERA to backup camera.	PAL/ AUTO/ NSTC
AK/EK-035LA	3.5"	TFT-LCD	320(H) ×240(V)	4: 3	DC 12V	VIDEO-IN to GPS /DVD (default) CAMERA to backup camera.	PAL/ AUTO/ NSTC
AK/EK-043LA	4.3"	TFT-LCD	480(H) ×272(V)	16 : 9	DC 12V	VIDEO-IN to GPS /DVD (default) CAMERA to backup camera.	PAL/ AUTO/ NSTC

1.4 Keyboard



AK-035LA / EK-035LA
AK-043LA / EK-043LA
SK-043LA / TK-043LA

No.	Description
1	3.5/4.3 ultra high brightness display screen
2	Light sensor
3	If The Mirror without auto-dimming The button function is as following: video input mode: turn on/off the screen camera input mode: adjust the brightness of the screen If The Mirror with auto-dimming The button function is as following: Video input mode: short press to turn on/off auto-dimming long press to turn on/off the screen. camera input mode: adjust brightness of the screen
4	Mirror without auto-dimming function: When the screen turned off or doesn't have video signal, the indicator light will light up, conversely, it turns off . Mirror with auto-dimming function: when the auto-dimming activates, the indicator light will become light; conversely, it will turn off.
5	The V1/V2 button can switch the 2 video signal input, Press it can switch back and forth between the two video signals.
6	Up
7	1.Press the menu, which can adjust the brightness, contrast, color saturation of the screen. All the default parameters is 50, you can adjust the parameters through the up and down buttons according to your preference. 2.Continue to press the MENU button, it can set the ANGLE(Every country has a specific number), CALIBRATION(AUTO/OFF), TEMP UNIT (°C/°F), SCALE(ON/OFF: it can use remote control to adjust), LANGUAGE(You can choose the language you prefer : English, Spanish, Portuguese, Italian, French, German, Dutch, etc.) 3.Select the "RESET" and press UP/DOWN can be back to factory default settings.
8	Down
9	Turn on/off the screen
9	Short press: switch video. Long press: turn on / off the screen

The menu tabs will automatically be hidden in 10seconds and lighted up again as soon as you press the touch buttons

Chapter two: Installation and wire

2.1 How to install high brightness mirror monitor

2.1.1 Remove the original mirror



Different cars have different brackets. It depends on your vehicle maker and manufacturer.

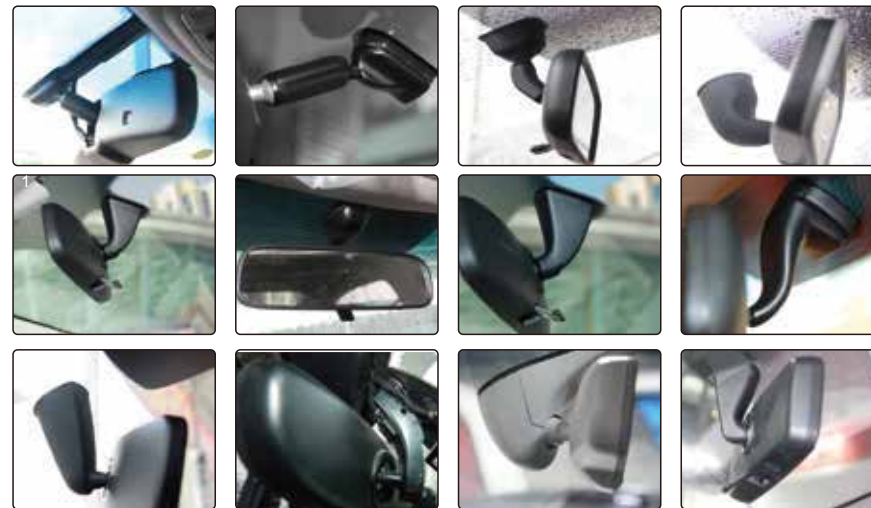
There are many methods to remove the original rear-view mirror, however, please don't force the mirror off the bracket.

The manufacturer will not be responsible for damage caused to your car by wrong installation of the mirror

2.1.2 Install high brightness mirror monitor on the plate



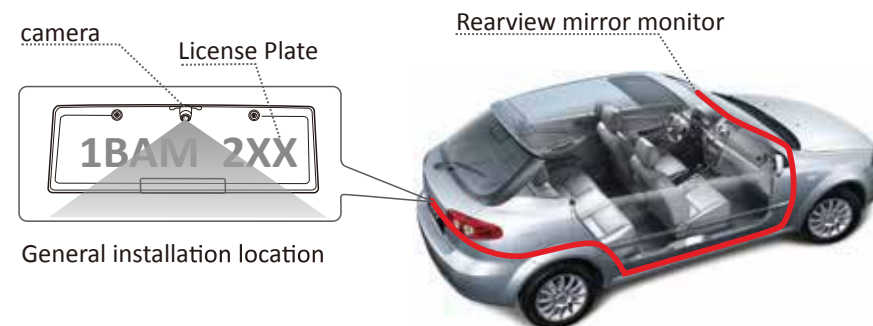
2.2 Special bracket



We have many kinds of brackets. one of them must suit for your car, and we are not going to go through anymore examples, because the space is limited. If you don't find the same bracket here as your car, please contact us.

2.3 How to Install Reverse Camera (Option – Not included)

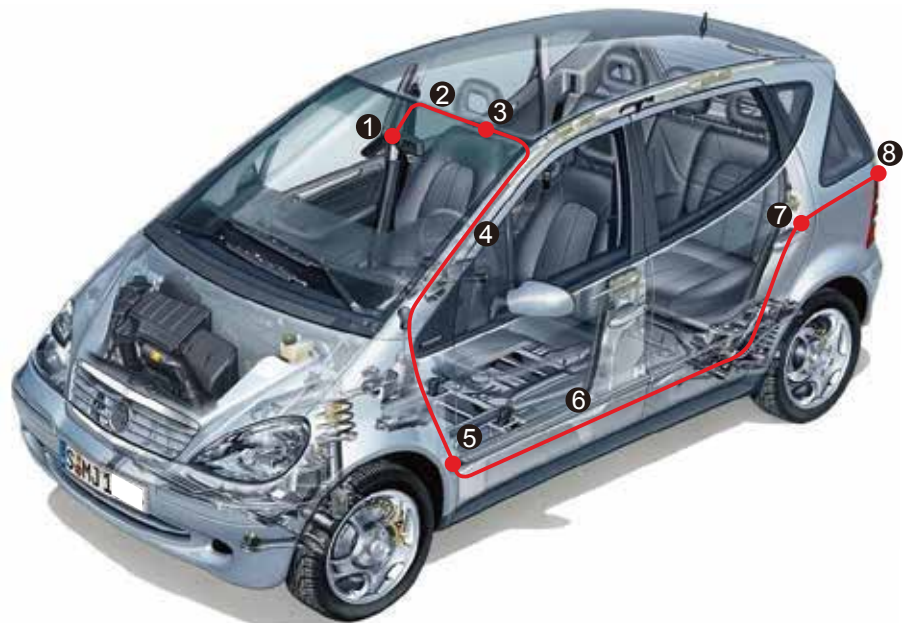
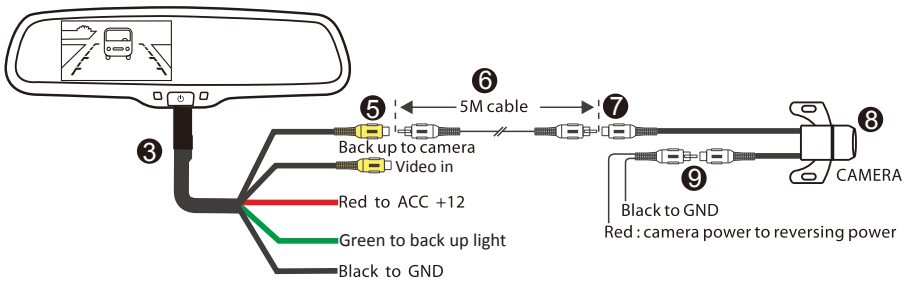
When a camera needs to be installed at the rear of vehicle, a good position is usually at the top of the License plate where there is an under ledge.





2.4 How to wire

After the mirror is mounted, you need to run the cable along the roof lining and down the pillar so you can connect to Power and the rear view camera



rearview mirror monitor



mirror monitor cable



Car camera extension cable



camera (not included)



Chapter Three: Basic functions

3.1 High-reflectance mirror

Clear back up view displayed on high-reflectance mirror.



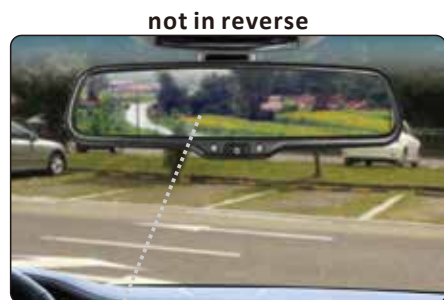
high-reflectance mirror



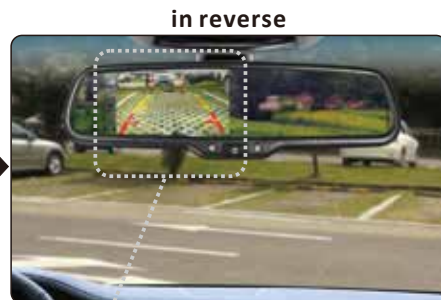
normal-reflectance mirror

3.2 Back up camera display

When the car is in reverse, the monitor will automatically display backup camera.



A perfect reflective mirror



automatically display

3.3 The brightness of screen automatically adjusts

The brightness of screen varies with ambient light, thereby, to make driver get a clear and comfortable image when reversing.

Weak light



Strong light



Top grade Mirror

Weak light



Strong light

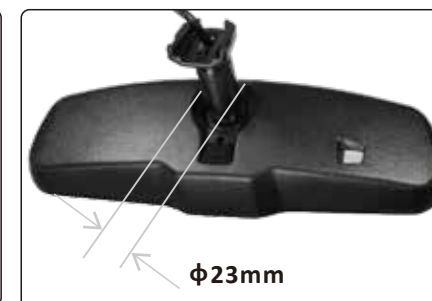


Budget grade Mirrors

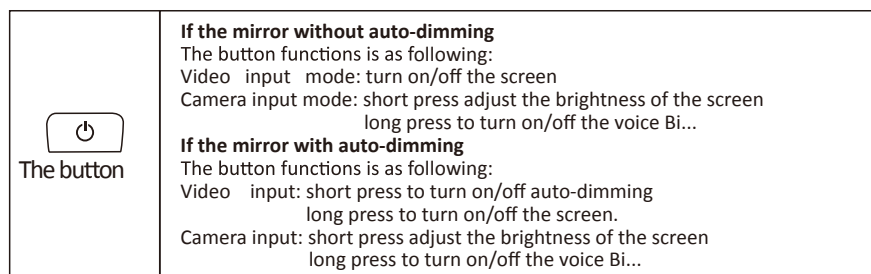
3.4 Glass and bracket

The thickness of our mirror's glass is 4mm. It is strong enough to bear impact and reach every country's safety standards on rearview mirror.

OEM bracket for special rearview mirror monitor with 23mm-thickness pipe.



4.1.1 How to wire



4.1.2 Two display styles

Top view display style



4.2 Dimming Functions

4.2.1 Why need dimming function

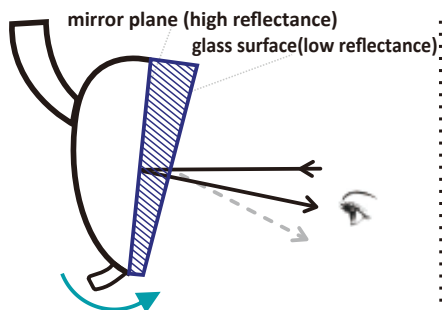
- ☒ To protect drivers from night glare of headlight.
- ☒ It is a function that can improve the car safety level.
- ☒ It may cause a series of legal disputes once removed by car dealers or sellers



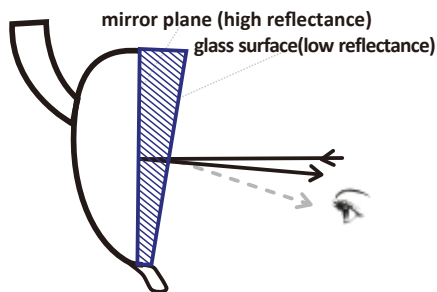
4.2.2 manual dimming

The interior rearview mirror will reflect the glare of rearward-approaching vehicles and it shines to driver's eyes when driving at night, which would cause a serious crisis. While the manual dimming rearview mirror comes with special glass and rotating device, when the strong light comes from the back of the car, the driver only needs to rotate it to another angle, that is, strong light will be reflected to another area which ensures the safe driving at night.

the reflectance of glass surface is much lower than mirror plane



when driving car at daytime. the image from the backside car is the reflect image of the mirror , which is the same principle of cosmetic mirror.



when driving at night, there is strong light from rearward-approaching vehicles, the driver can rotate the manual shank to another angle, that is, strong light will be reflected to another area . At this moment, the image from backside car is the reflectance of glass surface.

manual-dimming bleaching state

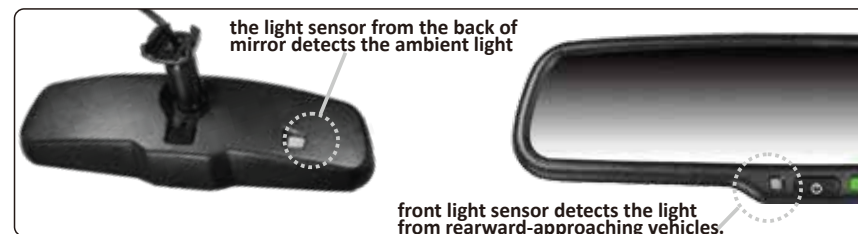


manual-dimming working state



4.2.3 Auto dimming

The auto-dimming of our mirror works automatically when you start the engine, and the indicator will light up . The light sensor in the back of the rearview mirror will always detect the ambient light. The auto-dimming doesn't work in the broad day for the adequate daylight. However, when night falls and the ambient light is weak, the auto-dimming starts to work and automatically dims to eliminate the glare of rearward-approaching vehicles. Furthermore, the degree of brightness of the auto-dimming glass depends on the level of the light. The stronger the light from the back of the car is, the darker the glass is. Hence it protects drivers from becoming dizzy and avoiding car accident.



Auto-dimming bleaching state



Auto-dimming working state

