

Bluetooth Wireless Technology

Bluetooth wireless technology is an international standard for short-range wireless communication.

It allows you to establish a wireless connection within a range between your Bluetooth Mirror and a compatible device.

The Bluetooth Mirror is intended for use with any mobile phone that supports the Bluetooth Hands free Profile (Bluetooth HFP).

The wireless connection between the compatible devices

established using Bluetooth technology is free of charge for the user.

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Important Notice

Rear-view systems help to provide assistance when reversing.

This rear-view mirror monitor system is designed as a driver's aid and should be treated as such.

The area into which the vehicle is to be reversed must be constantly visually monitored while parking.

We do not guarantee or assume liability for collisions or damages while reversing your vehicle

parkmate HD



Quick Start Guide

MCPK-043BT Bluetooth Mirror & Camera Pack



Brief Introduction

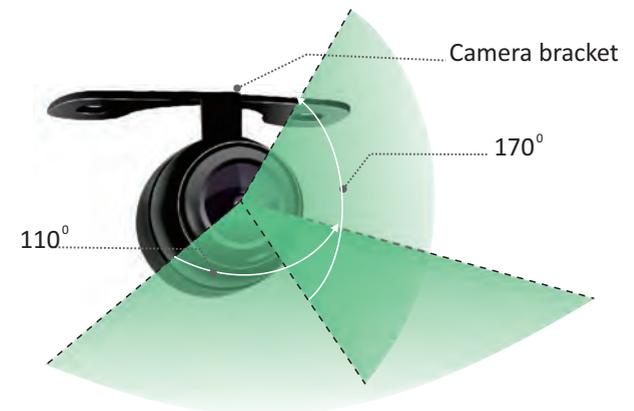
Welcome to your brand new Parkmate Bluetooth rearview mirror monitor and Camera. Parkmate's MCPK-043BT was developed for installation in motor vehicles to enable hands free operation of mobile phones and as a driver's aid with the rear view image displayed in the monitor when reversing your vehicle.

A special emphasis is placed on quick and easy installation. Your mobile phone can be connected to the mirror over a Bluetooth wireless connection.

The following is the introduction to the Mirror



The following is the introduction to the camera



First Time Start Up or Connecting a New Phone

For the first time when setting up your mirror, "PIN:1234" will display. Ensure your Bluetooth phone is in "Pairing" mode and search for "Rearview Monitor". Click on the "Rearview Monitor" displayed in your phone's Bluetooth device connection menu and enter the pin "1234". Your phone should now be paired to the mirror. In future, the mirror will search for the last paired Bluetooth device first and connect to it. To pair a new phone, simply unpair the current phone and pair the new phone using the steps above.



Successfully Connected

After the password has been entered, a Bluetooth icon will appear on the monitor. This icon indicates your phone is now successfully connected to your mirror monitor. The monitor will now enter standby mode and the LCD will turn off. The Bluetooth system enters a standby state awaiting instruction.



Voice Dial

In standby mode a short press of the centre button will activate the voice dial mode. Within 3 seconds you will hear a beep, now say the contact or number you would like to call.

(This feature is phone dependent and is not supported by all phones)



Hanging Up

When you are on a call you can simply hang up by 1 short press of the centre button. You can reject incoming calls by 1 long press of the center button.



Answering

During an incoming call, the caller ID will be displayed on the screen. A short press of the button will answer the incoming call.



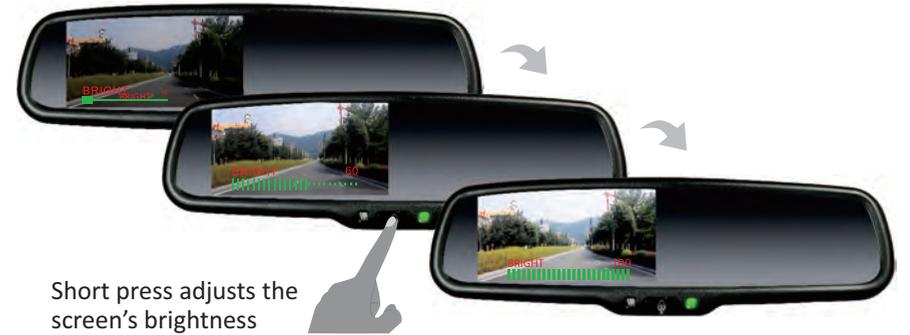
Bluetooth Music

If your phone supports Bluetooth music streaming then your mirror can stream your music and sounds directly from your phone and play them via the loudspeaker in the mirror. (This feature is phone dependent and is not supported by all phones)



Backup Camera Display & Brightness Adjustment

With a Rear View Camera installed, place the vehicle in reverse, and the image from the back-up camera will be automatically displayed on the monitor. Once the camera image is displayed you can manually adjust the monitors' brightness by a short press of the centre button. The brightness can be adjusted from 10 to 100. Once you have reached the desired brightness wait 5 seconds and the OSD menu will disappear.



Turning Video Input On/Off

With one short press of the centre button you can switch the active video signal, On or Off.



Manual Bluetooth Connection

If your phone is not connected to the mirror, one long press of the center button on the monitor will re-connect a previously paired device. The Bluetooth icon will display on the monitor once connection is made.



Super High Brightness screen With Auto Adjustment

When an image is displayed on the monitor, the screen will automatically adjust the brightness with the ambient light. In low light, the monitor will automatically dim, in sunlight the monitor will automatically brighten.

weak light



super bright



How to install Mirror

Remove the original mirror



Different cars have different brackets, depending on your vehicle make and manufacturer.

There are many methods for removing 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 vehicle as a result of installation of this mirror monitor.

This pack includes a number of multi brackets and options to assist you with the installation of the new mirror.

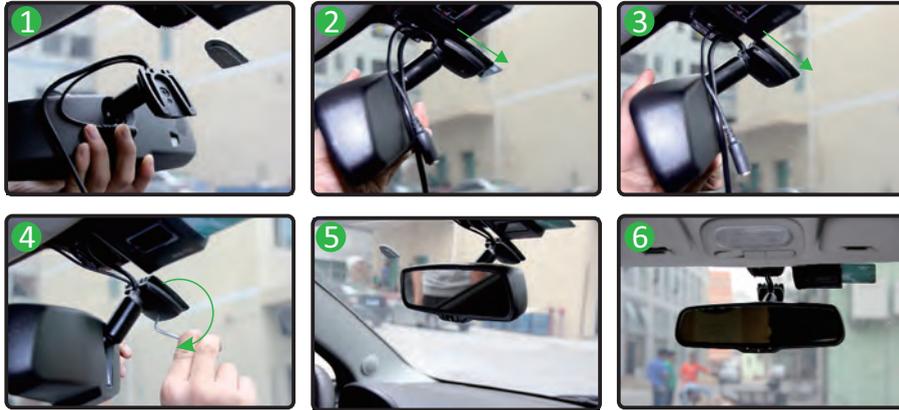
How To Change The Base

Please see below a list of brackets for various vehicles. Please choose the appropriate bracket for your vehicle and change the base accordingly.

Please note that the base is designed to fit most vehicle manufacturer's models, however in some cases the manufacturer can change the design and may not be an instant fit.



Install Bluetooth mirror monitor on the base

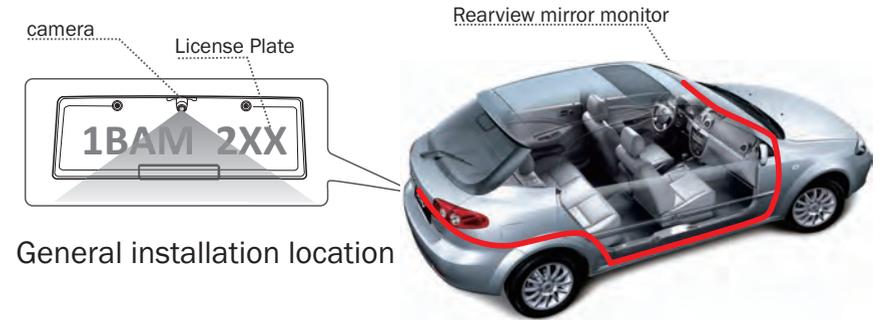


Special Bracket



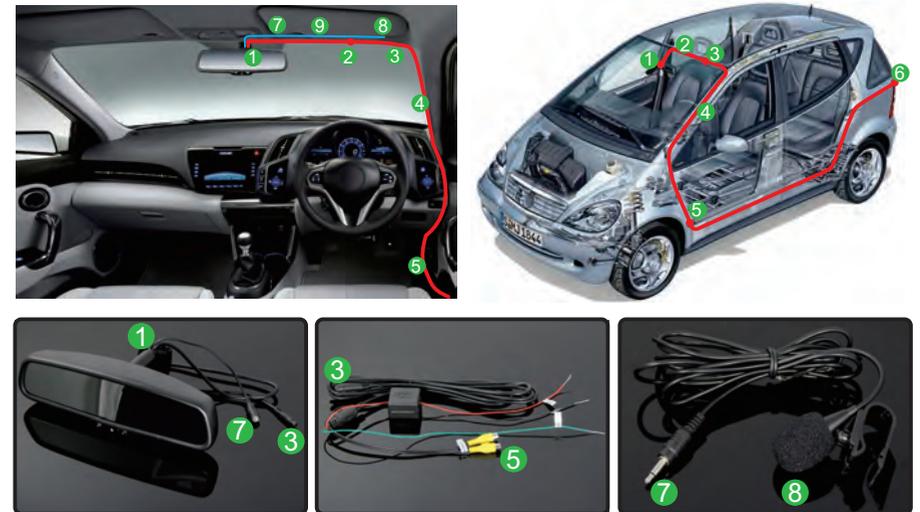
How to Install Reverse Camera

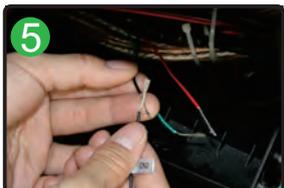
Reversing cameras are installed at the rear of vehicle, in many cases at the top of the license plate under a ledge.



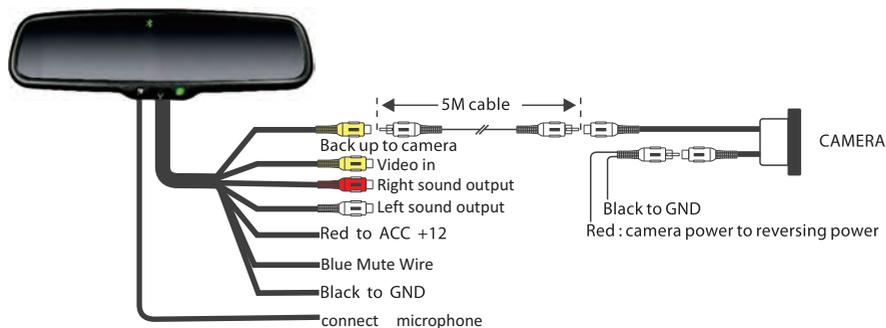
How to wire

After the mirror is mounted, run the cable along the interior roof lining and down the A pillar and connect to Power and the rear view camera. Careful selection of the Microphone location will ensure better operation. Place the Microphone in a good high position, at least 50cm away from the driver's head, ideally next to the rear view mirror or sun visor.





Wiring Connections



This unit is designed for installation in vehicles with 12VDC only. Please install this unit in a professional manner, route the wiring harness away from heat sources or electrical components. Avoid high temperature and voltage points when running the harness through the vehicle.

Wired connection points should be soldered for effective and secure operation. Please ensure that all connection points are insulated perform a test once installation is completed

Wiring Connection for Mirror

BLACK Wire (GND) to be connected to body of vehicle or Ground point. RED (+12V) Wire should be connected to a switched +12V Power source. Ex. Accessory Wire.

GREEN Wire to be connected to a +VE Reverse Signal. (Only required to be connected if 2nd Video source is used)

BLUE Wire to be connected to car stereo to mute during call or reverse

Wiring Connection for Camera

BLACK Wire (GND) to be connected to body of vehicle or Ground point.

RED (+12V) Wire should be connected to a +12V Reverse Power signal

This can be found in the rear of vehicle at tail lights.

Specification for Mirror and Camera

Mirror specification

Screen Size	4.3"
Display Screen	TFT-LCD
Display Resolution	400(H)×234(V)
Aspect Ratio	16 : 9
Color Depth	16.7M dithering
Pixel Pitch (mm)	0.219X0.219
Power Consumption	8W
Working Voltage	DC 12V
Video Input	PAL/NTSC
Signal System	AUTO/PAL/NSTC

Camera specification

Technical term	Technical Parameters
Images sensors	CMOS
Power Supply(DCV)	DC12V±1V
Current Consumption	100mA(MAX)
Power	1.2W(MAX)
Effective pixels	384,768
Minimum illumination	0.5Lux
Resolution(TV Lines)	480
TV System	PAL/NTSC
Lens Angle(Deg.)	170°
Video output	1.0vp-p,75ohm
IP rating	Ip67
Operating Temperature(Deg.C)	-30c°~+70c° (RH95%MAX)

General troubleshooting

Problem	Reason	Ways to solve
Image Shaking	Camera Bracket Not Stable	Adjust and Stabilize
No image	Plugs have not been inserted well or system connections are loose or broken	Check that the plugs have been inserted correctly. Ensure that all connections are in place. Check power connections
Image Blurring	Cameras lens is dirty	Clean the camera lens with dry cloth
Image Slanting or Upside down	Camera is not installed correct way up or straight	Adjust the bracket of camera and ensure it is in correct position