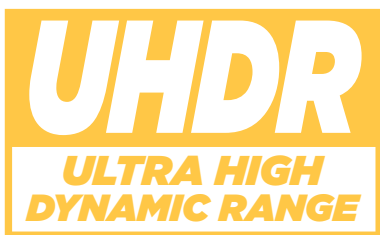


Marcus



Vico-Marcus 4 Instruction Guide



Software update
2015. May



Vico-Marcus 4 v4.8G

Software Upgrade detail

Improvement:

1. New Added function: GPS Smart Warning System with Human Voice Alert.
(Including Lane Departure, Forward Collision and Overspeed Warning.)
* GPS Module is optional accessory.

Special Notice

Please be aware the device might be broken if power down during upgrading.

Please be careful about the charger. The original charger is highly recommended for upgrade, better in car environment with power on situation. If you upgrade at home, please aware of the power adaptor can provide sufficient 5V/1A output.

Please avoid using mobile phone USB charger which offer less than 5V/1A output.

Insufficient power supply might lead to upgrade failure.

Smart Parking Mode



Smart Parking Mode provides complete car protection, preventing your car from accidental impact or sabotage in the parking lot. Video recording will be activated by motion detection. If there is none motion detected in front of the camera, device will switch to standby mode automatically, saving memory in SD card.

Entering Smart Parking Mode is judged by G-sensor automatically while your turn on this feature, detecting car movement to enter/escape Smart Parking Mode.

Special Notice, Power Modification Requirement:

You need special modification of all-time power environment for camera to enable this function. Smart parking mode requires non-stop power under car parking while engine off (ACC Off). The normal power (car cigar charger) might not provide all-time power when engine off. This modification might need professional supports, pls refers to car technicians/specialist for help.

Applying External USB Power Bank for Smart Parking mode:

For users who don't have their power modified, external USB power bank is another option to activate Smart Parking Mode. You may power up camera by power bank while parking, cooperating with "LCD auto off function (1/3/5 mins)", to reach Parking mode protection.

Power consumption under Smart Parking Mode:

10 mins later after no movement (car parking), camera will enter smart parking mode, recording by motion detection. Power consumption for reference:

Motion Detection Recording with LCD display: 5V/500 mAh (+-20mAh)

Motion Detection Recording with LCD covert (LCD off): 5V/470 mAh (+-20mAh)

Smart Parking Mode settings:

Choose Smart Parking Mode On(default as OFF):

1.) Motion Detection Sensitivity: High/ Medium/ Low

This is sensitivity level of motion detection under smart parking mode. LED turns to Red while recording triggered by motion detection in front of camera. LED stays Green while no motion (stand by, no recording).

2.) LCD Covert Display: Record-LCD display/LCD covert mode

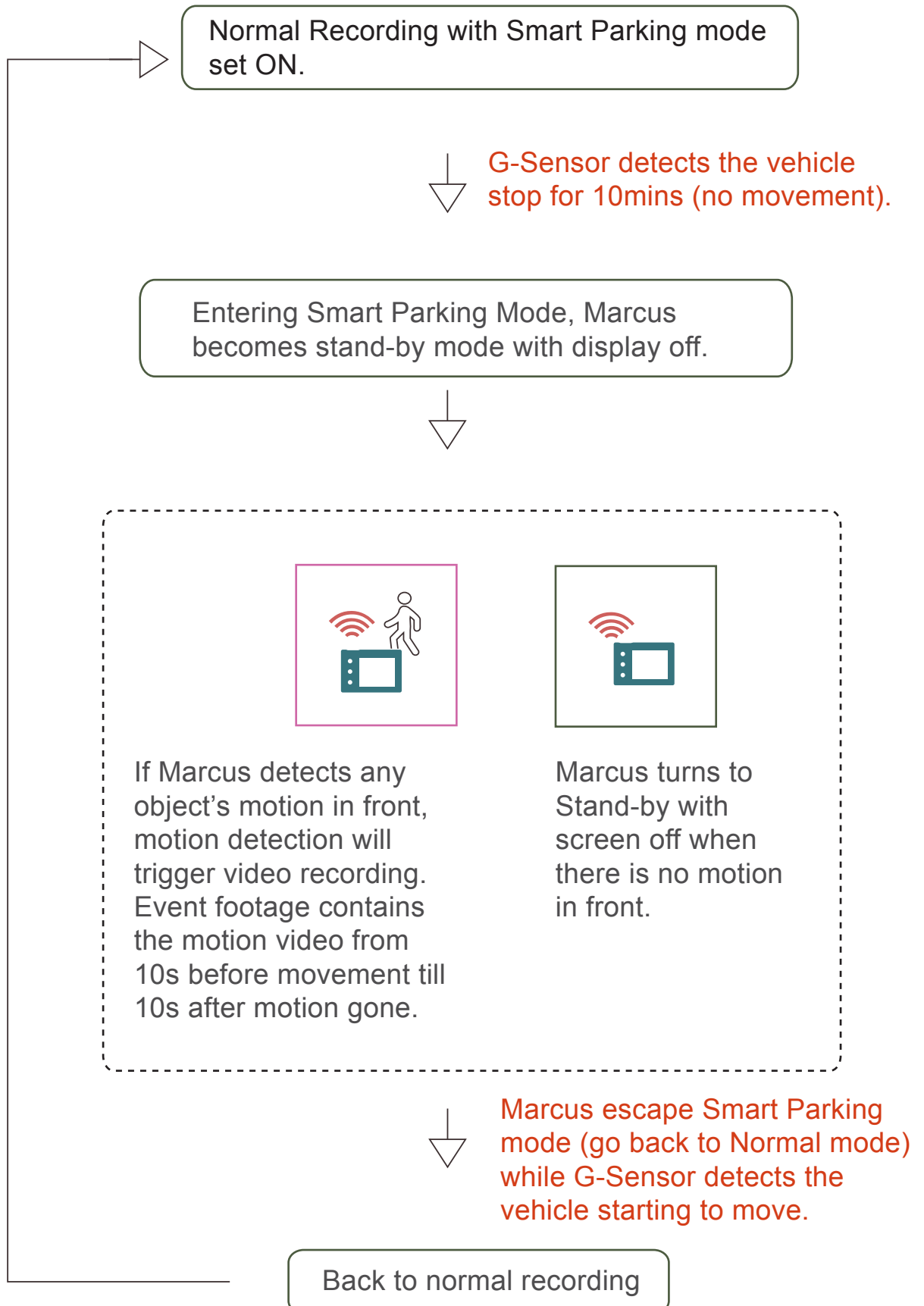
You may choose monitor to be turned on or stay off when recording trigger by motion detection under Smart Parking Mode. Monitor stays off while standing by (no recording).

G-sensor sensitivity & Smart Parking Mode:

The sensitivity setting of G-sensor is only related to Emergency Recording function. Even G-sensor sets off, it's not affecting Smart Parking Mode behaviors.

Smart Parking Mode

Smart Parking Mode: Working Behavior



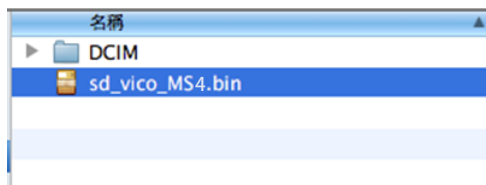
Upgrade Steps

Step 1

Please make sure the file you downloaded is v4.8G with instruction manual. File name: sd_vico_MS4.bin.
The file size is about 23MB.

Step 2

Copy sd_vico_MS4.bin into your Micro SD card.
(Special Notice: Do Not put into any folder, just the root of your Micro SD card)



名稱	▲	修改日期	大小
▶ DCIM		2014年7月16日 下午9:20	--
▶ EmgRec		2014年7月16日 下午9:20	--
sd_vico_MS4.bin		2014年7月22日 上午10:47	22.2 MB

Step 3

Insert the Micro SD card into Vico-Marcus 4, power on by USB cigar car charger in car. Auto recording will be activated normally after power-on.
And press UPPER key button to enter the MENU → System



Upgrade Steps

Step 4 (IMPORTANT STEP)

In the system menu, choose SW Upgrade and press “OK”
Then choose “Yes” and press “OK”



Step 5

Screen will show Updating. Please wait for 10 seconds.

DO NOT power off Marcus 4 while upgrading.

Device will show confirmation display and reboot automatically after upgrading successfully.



Upgrade Steps

Step 6

Please reset to factory default after upgrading.

The user might have to reset the previous configuration again.

Notice: After default, interface will be English Default. User can re-start the device to reset the default language, clock and time zone.

Enter MENU → System to make sure Software version is v4.8G and format Micro SD card (Before format, please backup important file)

Please feel free to contact us when encountered any problem, and we welcome your common or advice.

Email: service@vicovation.com

Detail Specification of GPS Mouse (Optional)

(LDWS, Lane Departure Warning System)

Users may choose 60/70/80km/hr. When current speed reach your setting value, Marcus Dash Cam will notify with warning beep sound and alert icon display while lane departure.



LDWS

(FCWS, Forward Collision Warning System)

Users may choose 60/70/80km/hr. When current speed reach your setting value, Marcus will notify with warning beep sound and alert icon display if distance between car in front reaches 5~7 meters. °



FCWS

Over-Speed Warning System


Users may choose 80/90/100/110/120/130km/hr. When driving speed exceeds your setting, Marcus will notify with warning beep and alert icon display.



OverSpeed

Vico-Player support GPS tracking data:

After install with Marcus GPS mouse, Marcus 4 will store GPS footage in .nmea file in Micro SD card. GPS tracking data and G-sensor data will be written in .nmea file.

名稱 ▲	修改日期	大小	種類
 VICO0070.MOV	昨天 上午5:37	466.3 MB	QuickTime 影片
 VICO0070.nmea	昨天 下午2:34	229 KB	Unix 執行檔
 VICO0071.MOV	昨天 下午2:39	499.6 MB	QuickTime 影片
 VICO0071.nmea	昨天 下午2:39	229 KB	Unix 執行檔
 VICO0072.MOV	昨天 下午2:44	500.1 MB	QuickTime 影片
 VICO0072.nmea	昨天 下午2:44	229 KB	Unix 執行檔
 VICO0073.MOV	昨天 下午2:47	346.3 MB	QuickTime 影片
 VICO0073.nmea	昨天 下午2:47	164 KB	Unix 執行檔
 VICO0074.MOV	昨天 下午2:53	507.7 MB	QuickTime 影片
 VICO0074.nmea	昨天 下午2:53	229 KB	Unix 執行檔

Vico-Player:

Open file from Micro SD card by Vico-Player. Vico-Player will show GPS tracking data synchronously on the Google Map on right side.

PC needs to have internet access in order to have Google map info display.

(Note: Currently Vico-Player only support Microsoft Windows operating system.)

Vico-Player download link: http://www.vicovation.com/uploads/vico_player.zip



GPS Location Overlay & Current Speed

G-Sensor XYZ data will be showed at the button of Vico-Player.

