

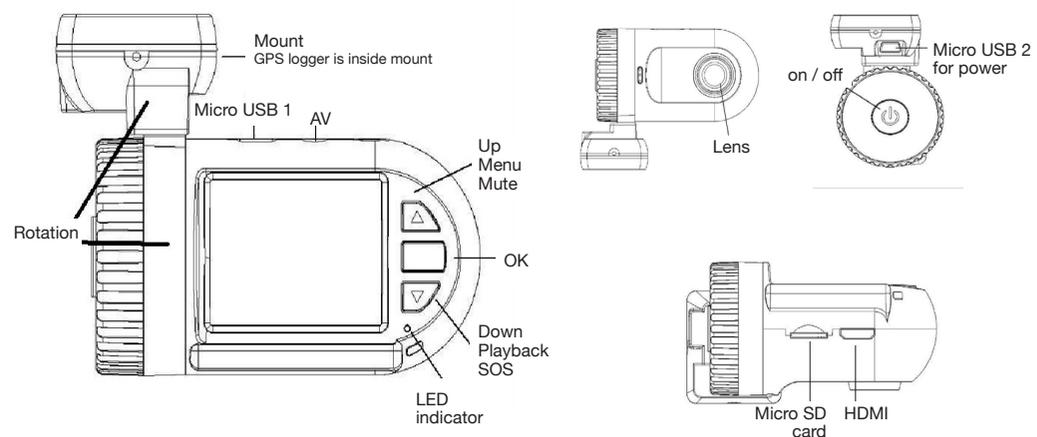
AM-81 Dash Cam



What's in the box?

- 1 x AM-81
- 1 x GPS mount
- 1 x USB data cable
- 1 x USB/SD card adapter
- 2 x spare adhesive pads
- 6 x cable clips
- 2 x windscreen films
- 1 x lens cloth
- 1 x user manual

Overview



Power supply

The camera can get power from the car battery via the hardwire kit. **Installation by a qualified expert is recommended.**

Use of the cigar lighter socket can also be used for connecting the camera to the car's power supply.

Please make sure that power is connected to micro USB 2 in the mount and not to micro USB slot 1 in the camera body.

The camera uses a built-in super capacitor and does not have its own battery.

The camera will start to record automatically within 10 seconds of the car engine being started. It will stop recording and turn off with a few seconds delay when the car engine is stopped.

If car battery voltage falls below 11.5V the camera will be turned off automatically and the 'parking guard' function (see the reverse side) will not work.

When the camera is recording or in standby mode (see below), the user can long press POWER button to turn off the camera.

When the camera is in standby mode, short press OK button to start video recording. Short press OK button again to cancel video recording.

Operation

Unprotected and protected video recordings

The camera's automatic loop recording means older video is over-written by new video when the card is almost full unless the video is protected.

The camera can auto-protect videos if the G-sensor data indicates sudden change of speed, as in an accident.

Manually protect videos by short pressing the DOWN button (SOS) when recording. The screen will show a yellow lock. Press DOWN again to cancel protected status and unlock files.

Standby mode

Standby mode: The camera must be in standby mode for access to the menu. (See the reverse side for menu options.) Press OK once to enter standby mode, and press OK again to return to normal operating mode. The camera will also be in standby mode if the Micro SD card is removed.

Taking a photo

When the camera is recording, long press OK to take a photo.

When camera is in standby mode, long press DOWN button once to enter photo mode, and short press OK to take a photo.

Use UP and DOWN buttons to zoom the image.

Recording mute video

Short press UP to mute the microphone. Short press UP again to cancel mute status.

Power off screen

Short press POWER to turn off the screen. Short press any button to turn on the screen.

GPS

The camera can record your driving track and stamp the GPS data on video. Please note there may be electronic interference on the GPS signal from other devices.

Updating firmware

Extract firmware DVR (BIN file) or MCU (IAP file) to the root folder of the formatted micro SD card. Insert micro SD card into camera and turn on the power, please make sure camera is connected with power during whole update process. The camera will update and reboot automatically, within a few minutes

It's suggested to re-format the card every two weeks. Please backup important files before formatting.

Setting up

Remove the protective film on the LCD screen and the lens.

The camera supports micro SD cards (not supplied) up to 64GB maximum. Use of a high speed micro SD card is recommended.

IMPORTANT: Please format the Micro SD card.

If you are using a Micro SD card larger than 32GB, please format the cards on a computer to be FAT32 format.

To set the time zone, please find TIME_ZONE in MENU, using the UP and DOWN button. Set the time zone relative to Greenwich Mean Time (GMT). For example: the UK uses GMT from October to March.

On the first occasion when using the USB cable to connect to a computer the connection may not work. If this occurs then please remove and then re-plug the USB cable to the computer. This will resolve the issue.

Windows XP or later operating system
Intel Pentium 4 2.8GHz CPU or above (recommended 3GHz) At least 2GB RAM.

Internet connection (for GPS log playback)

Fixing in the car

The recommended location for camera is at the center of the windshield, near the rear view mirror.

Fix the camera on the mounting bracket with power cable plugged into the mount

Test the camera on your windshield with the camera powered on to find the best mounting location.

Spray a small amount of water on the windscreen where the windscreen film will be fixed, then use a dry towel to clean it. Use a flat item to press the windscreen film into place until there are no bubbles or water between the sticker and the glass.

Use the adhesive pad on the mount bracket to attach it to the film on your windshield. Hold the mount for a few seconds to ensure good adhesion.

To demount the camera, just slide the camera out from the mounting bracket. If you want to change the location, just remove the film.

Safety precautions

Do not attempt to dismantle or open the casing. Doing so may result in electrical shock and irreparable damage to the camera.

Caring for the camera

Do not expose the camera to moisture, dusty, dirty or sandy conditions. Do not clean the camera with chemicals or detergents. Use a slightly damp cloth.

The normal operating ambient temperature of the camera is 0°C to 40°C (32F to 104F). High temperatures can shorten the life span of electronic devices. Note that high temperatures can occur in parked cars in direct sunlight.

Extremely low temperatures including the effects of freezing and then thawing can cause damage.

Playback

Playback on camera

When camera is in standby mode:
long press DOWN to enter photo mode.
long press DOWN again to enter video / photo playback.
long press DOWN to choose NORMAL / PARKING / PHOTO playback.
long press DOWN to exit playback.

When playing videos on the camera, you can short press UP to fast-forward the video.

Playback on TV

Please make sure camera is connected to the power supply. When the camera is connected to a TV via a HDMI cable, the camera screen will be turned off. The operation is then the same as when using playback on the camera.

Playback on computer

Use a micro SD card reader or connect the camera to your computer with the supplied USB cable using the micro USB 1 slot (see 'overview' illustration above).

GPS

Using the built in GPS player:

Insert a MicroSD card into camera. The system will copy the GPS player to your MicroSD card automatically.

Connect micro USB 1 on the camera body to a computer, using a USB cable. You can then see the following options.



Select PLAYER and see the instruction on txt file by selecting  **Readme**

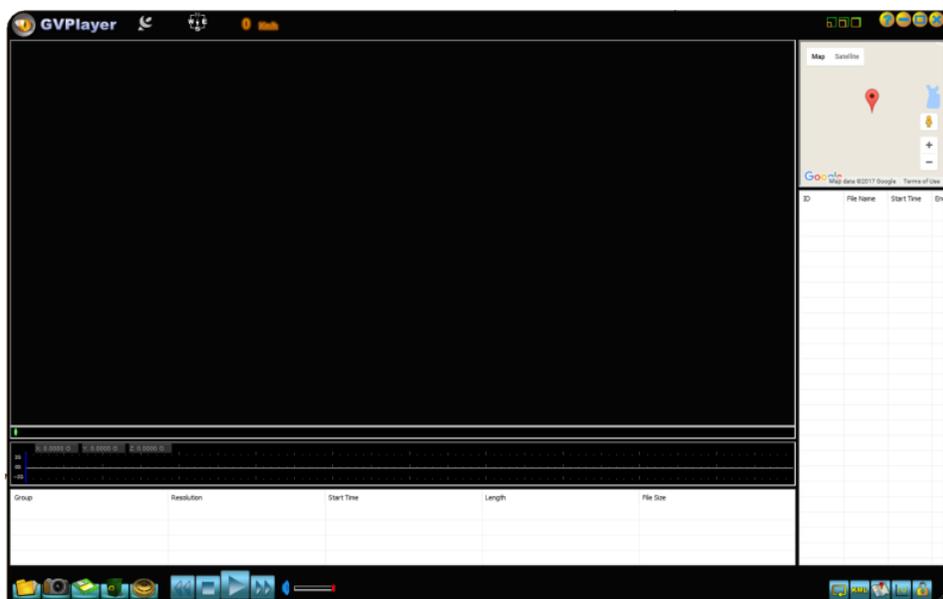
Or download the player using this link:

<https://master.dl.sourceforge.net/project/gvplayeren/GVPlayerEn.7z>

Click  to import files from camera. Use  or  to check more files.

Notes:

- We suggest copying the whole PLAYER file from the MicroSD card to your computer. All the GPS information will then be shown.
- Macbook can not support the GPS player.
- The player supports Google Map.
- PARK file are videos made when motion detection is on.



<https://master.dl.sourceforge.net/project/gvplayeren/GVPlayerEn.7z>

or
<http://cms.carcorder.com/cms/wp-content/uploads/player/GVPlayer/GVPlayerEn.html>

Just copy either of the above URL to the web browser address bar and go!

Any question about the player download, kindly contact us at : grace@skyhigh-global.com Operation

Parking guard (option)

This option requires use of the hardware kit. You cannot use the cigar lighter to provide power with this option.

There are 3 Parking Guard settings:

OFF

Parking Guard will not record.

Time lapse

The camera will record one frame per second.

Normal

The camera will record in the case of unexpected shocks or collisions. It will record for one minute and then turn off again.

If the car battery voltage falls below 11.5V, the camera will turn off automatically. Parking Guard function will not work.

Motion detection

A red eye icon on the screen indicates that the camera is in 'Motion Detection' mode. The camera will then auto start recording when a moving object appears within the range of camera. When the motion ceases, the recording will stop automatically until a moving object appears again.

High temperature auto stop

The smart temperature sensor within the camera will react when the parking guard function is in operation. When the car interior temperature reaches the preset temperature, the camera will power off and stop recording.

Menu options

Long press UP to enter and adjust the menu settings.

Resolution	Options: 2304x1296 30fps 1920x1080 30fps HDR 1920x1080 30fps 1280*720 30fps 1280x720 60fps Note that higher resolution video uses more storage space.
Photo Size	Options: 14M / 12M / 8M / 5M / 3M / 2M
Quality	Options: Super Fine / Fine Better quality photos use more storage space.
Video loop	Options: 1 MIN / 3 MIN / 5 MIN / OFF If you need continuous video without loops, please set it to OFF. However, the maximum video file size is 4GB and the camera will stop recording once the card is full.
Beep Sound	Options: ON/OFF
Image exposure	Options: from -2 to +2
White Balance	Options: Auto / Daylight / Cloudy / Fluoresc. / Fluoresc.1 / Fluoresc.2 / Incandesc Auto is recommended for most conditions.
ISO Sensitivity	Options: Auto / ISO100 / ISO200 / ISO400 / ISO800 / ISO1600 / ISO3200 Lower value ISO values (eg ISO100) provide better image quality but use more storage space.
G-sensor Sensitivity	Options: High / Middle / Low / OFF This adjusts sensitivity to sudden speed changes, as in an accident.
LDWS	ON/OFF
FCWS	ON/OFF
SAGS	ON/OFF
LDWS CALIBRATION	Adjust by the up and down button
Contrast	Adjust by the up and down button
Sharpness	Adjust by the up and down button
WNR	ON/OFF
Speed Unit	Options: KPH / MPH
Date Stamp	Options: OFF / ON
Parking Mode	Options: Time lapse / OFF / Normal
Video Time Lapse	ON/OFF
Driver Number	Choose a driver number or other information to stamp on the video (9 letters or numbers).
GPS Stamp	Options: OFF / ON
Speed Stamp	Options: OFF / ON
Language	Options: English / Español / 简体中文 / 繁體中文 / Русский / Deutsch / Italiano / Français / 日本語
TV Type	Options: PAL / NTSC
Flicker	Options: 60 Hz / 50 Hz
Screen power OFF delay time	Options: off / 10s / 20s / 30s
Time set-up and time zone	Set using up and down button
Power off temperature (temperature protection for parking guard(Optional))	Temperature can be preset between 60°C-85°C(140F-185F); default is 80°C(180F).
Format	NO / YES
Default Setting	Options: NO / YES Restore all the settings to the factory default settings?
Version	The current version of the firmware (DVR & MCU) in your camera.

Troubleshooting

Cannot record video or take photo	Please check that there is enough storage space on the micro SD card.
Camera stops recording occasionally	Please ensure that a high-speed Class 6 or Class 10 micro SD card, compatible with SDHC, is used.
'File Error' message in playback	Please reformat the micro SD card.
No image display on TV screen	Please check the HDMI cable is connected correctly, and the TV is set to the correct HDMI mode.
Image is blurred	Please check that lens and windshield are clean. Please remember to remove the lens protecting film before first use.
Image has horizontal stripes interference	This is due to the wrong setting of 'Flicker. Please adjust it to match the local power supply frequency, 50Hz or 60Hz.
No auto start recording when car starts	Please make sure the Movie Clip Time is 1 / 3 / 5 minutes, not OFF.
Auto recording won't stop	Maybe the camera is in Motion Detect mode.
Memory card can not be used	Change or format the memory card. Backup files before formatting.
Camera is not functioning	Unplug the power cable to turn off the camera and replug it.