

USER MANUAL CAR BLACK BOX EP-HD001

Instructions before use

This user manual will describe the usage of this product in details and at the same time provide comprehensive information including usage, operation, installation instructions and specification, etc. Please read the manual carefully and keep it properly. We hope our product will satisfy your need and provide you with longterm services.

Product Guarantee

This product is approved by ISO9001:2000 International Quality Standard and certified with FCC, CE and SGS.

Our customers can use this product free of apprehension.

Copyright infringement Warning

Please note this product is for personal use only. The forms of usage should not offend or infringe international or domestic copyright laws and regulations. All recorded videos should be for personal use only. Please note that using this product for recording of occasions like shows, exhibitions or commercial activities will infringe others' copyrights or legislation rights.

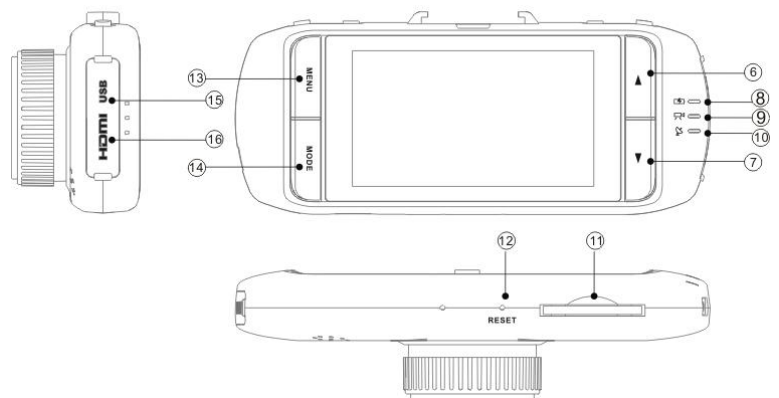
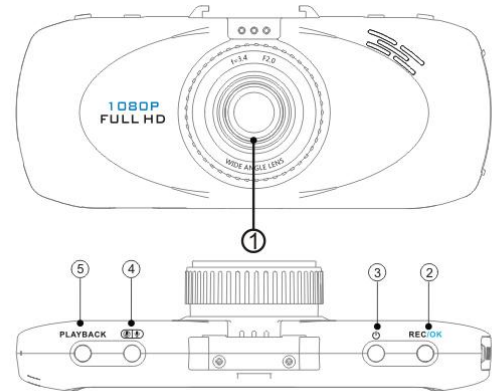
Check Product Accessories

Please check whether the following accessories are present before use,

1. Vehicle Power Cable (4M) x1
2. Holder x1
3. USB Cable x1
4. User Manual x1

Product Structure

1. Lens
2. Record / Photo / OK
3. Power On/Off ;
Short Press Power On/Off ;Long
Press Forced Shutdown Button
4. MIC Switch
5. Playback Enter/Quit
6. Left/UP
7. Right/Down
8. Charging LED



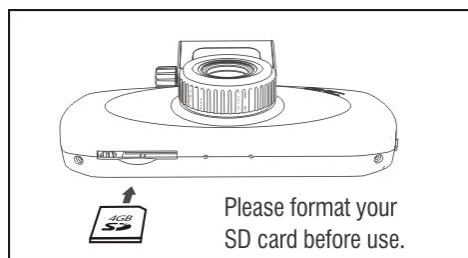
- 9. Red Indicator Light (Recording)
- 10. Blue Indicator Light (GPS)
- 11. SD card Slot
- 12. Reset
- 13. Menu/Delete
- 14. Mode
- 15. USB Port/AV Output
- 16. HDMI Output

Installation

Holder

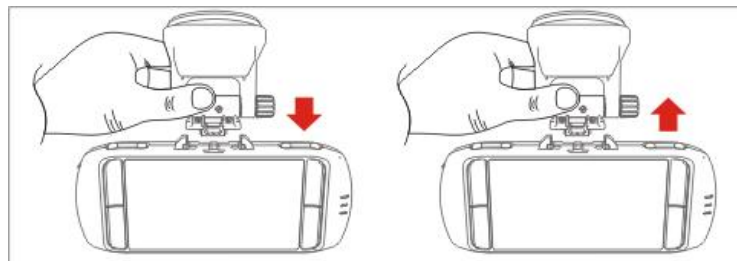
Installation

Install Memory Card



Removing the Stand - hand pinch bracket exit slot can be directly (without moving any snaps).

The fixed plate and the machine installation



Transmit the video to LCD TV

You can also transmit the video from the drive recorder to your LCDTV at home to playback the data or adjust the setting.

The steps areas follows:

1. Your video equipment should have AV IN or HDMI ports.
2. Connect AV cable or HDMI cable (optional purchase) to the video equipment and the drive recorder.
3. Connect the home use transformer (optional purchase) to the drive recorder and the house power socket.
4. Adjust the channel of the video equipment to AV or HDMI.
5. Installation completed.

Menu Operation

image param(capture mode)

Photo size

Photos resolution can be configured during capture. Higher value means higher resolution and better picture quality.

MENU Button **【Image Param】** Menu **【Photo size】****【3M(2048X1536)】** / **【4M(2592x1728)】**
/ **【5M(2592x1944)】** / **【8M (3200x2400)】** / **【12M (4000x3000)】**

Burst

Burst option can be used to set the number of selftime-capture.

MENU Button **【Image Param】** Menu **【Burst】****【3Pics】** / **【2Pics】** / **【1Pics】**

Self timer

Self timer is used to set the time of selftimer-capture.

MENU Button **【Image Param】** Menu **【Self timer】****【On】** / **【3 seconds】** / **【5 seconds】** / **【10 seconds】**

image param(Video mode)

Resolution

Video resolution can be configured during recording. Higher value means higher resolution and better picture quality, and

the storage capacity consumption will be relatively higher.FPS is Frame Per Second during recording. Higher FPS means smoother video.

MENU Button **【Image Param】** Menu**【Video resolution】****【1920x1080 30P】**/**【1440x1080 30P】**
/
【1280x72030P】 / **【848x480 60P】** / **【848x480 30P】** / **【640x480 30P】**

Scene

Scene setting can be done to allow shooting to be more conformed to the surroundings and achieve optimum shooting

effect. Select [AUTO] to allow the recorder to choose the setting automatically.

MENU Button **【Image Param】** Menu **【Scene】** **【Auto】**/**【Night Portrait】**/**【Night Scenery】**
/ **【Sports】**
【Landscape】 / **【Portrait】** / **【Sunset】**

Digital effect

This effect produced by this setting can achieve certain playfulness, and changes in color are more apparent.

MENU Button **【Image Param】** Menu **【Digital effect】****【Off】** / **【Art】** / **【Sepia】** / **【Negative】**
/ **【Monochrome】**
/ **【Vivid】**

White Balance

Selecting [AUTO] under normal circumstances can choose white balance. If [AUTO] mode cannot produce natural colors,

please use appropriate light conditions to change White Balance setting.

MENU Button **【Image Param】** Menu **【White Balance】****【Auto】** / **【Incandescent】** / **【Sunny】**
/ **【Cloudy】**
/ **【Fluorescent】**

ISO

According to the brightness during shooting, selecting [AUTO] can set optimum ISO sensitivity.
MENU Button **【Image Param】** Menu **【ISO】** **【Auto】** / **【100】** / **【200】** / **【400】** / **【800】** / **【1600】**
EV

If “EV” is adjusted to + side, you can avoid under-exposure, or dark objects as shooting against a bright background.

If “EV” is adjusted to – side, then you can avoid over-exposure, or bright objects as shooting against a dark background
or at night.

MENU Button **【Image Param】** Menu **【EV】** **【-2.0】** / **【-1.7】** / **【-1.3】** / **【-1.0】** / **【-0.7】** / **【-0.3】**
/ **【0】**
/ **【+0.3】** / **【+0.7】** / **【+1.0】** / **【+1.7】** / **【+2.0】**

Contrast

Contrast indicates the degree of black color in proportion to white color on the screen. The higher the contrast, dark color

will appear darker, and bright color will appear brighter. It is suitable for identifying the number plate in the driving record.

MENU Button **【Image Param】** Menu **【Contrast】** **【Soft】** / **【Standard】** / **【Hard】**

Sharpness

Sharpness means the significant degree of contour image during shooting. The higher the sharpness the more obvious

the contour image of characters and scene, it is very useful for face recognition during drive recording.

MENU Button **【Image Param】** Menu **【Sharpness】** **【Soft】** / **【Standard】** / **【Hard】**

Night mode

Setting night mode can adjust the image quality during night time.

MENU Button **【Image Param】** Menu **【Night mode】** **【Auto B/W】** / **【Standard】** / **【B/W】** / **【Auto Color】**

Recycle record

Setting Recycle record can, under limited memory card, repeatedly use the new data to overwrite the old data, in order to

achieve non-interrupted recording result.

MENU Button **【Image Param】** Menu **【Recycle record】** **【No】** / **【3 minute】** / **【5 minutes】** / **【10 minutes】** /
【15 minutes】 / **【30 minutes】** / **【45 minutes】**

Setting Value. It means saving data every 5 minutes, relatively each cycle will overwrite 5 minutes of old data.

Shutdown Delay

When vehicle power cable connecting to vehicle, the Car DVR will be delayed shutdown under the setting time after

vehicle power off.

MENU Button **【Image Param】** Menu **【Shutdown Delay】** **【10seconds】** / **【5 minute】** / **【10 minutes】**
/ **【No】** /
【Power off】

G-Sensor

When there is a collision, with the help of the changes in XYZ curves, G Sensor or Gravity Sensor can determine the direction of the collision and simultaneously set the recorded data to protection mode, and the data will not be overwritten by circulated recording. Adjust the sensitivity parameter of XYZ axes. [OFF] sensitivity means G Sensor function is OFF, so the drive recorder will not automatically set the data to protection mode, and manual setting will be needed.

MENU Button **【System Setup】** Menu **【G_Sensor】** **【Off】** / **【High】** / **【Media】** / **【Low】**

System Setup

Volume

Adjust the volume of build-in speakers of the host device. MENU Button **【System Setup】** Mode **【Volume】** Setting

Value: **【0】** / **【1】** / **【2】** / **【3】** / **【4】** / **【5】** / **【6】** / **【7】** / **【8】** / **【9】** / **【10】**

Flicker

Select 50Hz if the power voltage of the country is 220V. Select 60Hz if the power voltage is 110V.

MENU Button **【System Setup】** Menu **【Flicker】** **【50Hz】** / **【60Hz】**

Auto Power Off

When the drive recorder stop recording, if “AUTO POWER OFF” was set, it will automatically shut off after going through the set time.

MENU Button **【System Setup】** Menu **【Auto power off】** **【Off】** / **【1 minute】** / **【3 minutes】** / **【5 minutes】**

Lcd Off

Setting LCD can, when activated LCD screen can automatically off when no operation.

MENU Button **【System Setup】** Menu **【LCD OFF】** **【Off】** / **【1 minute】** / **【3 minutes】**

TV Out

This setting can be adjusted when you use AV cable or HDMI cable to transmit the video to the monitor. Select local video specifications NTSC or PAL to solve the problem of flicking pictures owing to inappropriate video format.

MENU Button **【System Setup】** Menu **【TV out】** **【NTSC】** / **【PAL】**

GPS

Setting GPS can choose to activate or disable GPS function.

MENU Button **【System Setup】** Menu **【GPS】** **【ON】** / **【OFF】**

Time zone

Setting Time Zone, can automatically set the time zone.

MENU Button Menu **【TIME ZONE】** Setting Value: **【0】** / **【1】** / **【2】** / **【3】** / / **【10】** / **【11】** / **【12】** / **【-1】** / **【-2】** / **【-3】** / / **【-10】** **【-11】** / **【-12】**

PLATE STAMP

Setting PLATE STAMP, can choose to show car number or no show when playing video.

MENU Button **【System Setup】** Menu **【PLATE Stamp】** **【On】** / **【Off】**

PLATE SET

Setting Plate Set, can choose to record car number or not record car number during recording.

MENU Button Menu **【PLATE SET】** Setting NUMBER: **【0】 / 【1】 / 【2】 /...../ 【7】 / 【8】 / 【9】 / 【A】 / 【B】 / 【C】 /...../ 【X】 / 【Y】 / 【Z】**

Stamp

Through this function, you can select whether to show time and date during recording.

MENU Button **【System Setup】** Menu **【Stamp】** **【On】 / 【Off】**

Date & Time

Adjust the current date and time. (Drive recorder with GPS feature will automatically sync the standard date and time after positioning, no setting is required).

MENU Button **【System Setup】** Menu **【Date& Time】** Press “OK” key to enter setting Press, select Year, Month, Day, Time, Minute.

Format Storage card

This function will delete all data in the memory card including protected data. When the memory card is used for a long time, too much data will reduce the access efficiency. This function will optimize the access speed of the memory card.

MENU Button **【System Setup】** Menu **【Format Storage card】** **【No】 / 【Yes】** Press OK Button to process

Reset

This function will reset all settings on the drive recorder to default factory settings.

MENU Button **【System Setup】** Menu **【Reset】** **【No】 / 【Yes】**

Version

View the firmware version of the drive recorder.

MENU Button **【System Setup】** Menu **【Version】**

The version number during factory shipment will be considered as the original version.

Language

Use this setting to adjust the menu to your preferred language.

MENU Button **【Language】** Menu **【English】 / 【简体中文】 / 【繁體中文】 / 【Korean】 / 【日本語】 / 【Русский】**

Press OK Button to process

Playback

Before video playback, please transmit the picture to your monitor and use the remote controller to operate.

Press playback to enter video playback mode.

Preview

Left Previous Clip; Right Next Clip; OK Play Video

Play

Left (long pressing) Slow Play 1/2X; 1/4X; 1/8X ; 1/16X ; 1/32X

Right (long pressing) Fast Play 2X; 4X; 8X; 16X; 32X Pause

Delete file

Delete the single video clip currently selected. Playback button Select video Press Menu button 【Delete file】 【No】 / 【Delete】 Press OK button to process.

Slideshow

Video clips can be played continuously. Setting [1 second] means,after the video is over, it will pause for 1 second before playing the next video clip Playback button?

Select video clips Press menu button 【Slideshow】 【No】 / 【1 second】 / 【3 seconds】 / 【5 seconds】 / 【10 seconds】 Press OK button to process.

USER GUIDE OF GPS PLAYER

USER MANUAL

The GPS player is intergrated into the fireware, when the DVR is connected to computer, the player will auto be copied to SD card, and in the folder of Hdplayer.

The player is made based on the quicktimer player So, when the computer don' t instatll the quicktime player before, the DVR GPS player will tell the user to install the quicktime player first.

Only the computer is connected into internet, the player can show the map in real time. Otherwise, the player will display “ ERROR, the computer don' t have internet” .

The DVR GPS player will show like below if the video is recorded when GPS signal is obtained.










The screenshot displays the GPS player interface with the following components:

- Top Menu:** File, PlayBack, Help
- Video Playback:** A large window showing a road scene from a vehicle's perspective. Metadata at the top left reads: 2012-11-06 17:27:17.11.
- Map Window:** A satellite map view with a red location pin. Controls for zooming and switching between map and satellite views are visible.
- Playback Controls:** A row of buttons for play, stop, 1/2 speed, 1x speed, 2x speed, 4x speed, and a seek bar.
- GPS Data:** Three coordinate graphs for X, Y, and Z axes, each ranging from -1024 to 1024. A speedometer shows a current speed of 43.00 KPH with a unit dropdown menu.
- File Information Table:** A table with columns for Name, Duration, CreatTime, Mb, and Resolution.



2012-11-14 Wednesday				
Name	Duration	CreatTime	Mb	Resolution
FILE0002.MOV	0: 4.47	2012-11-06 17:27:17	278.17	1920 * 1080

For the video that don't have gps signal in it, speed and map will not be showed on the GPS player.




In the menu panel:

- “  /  ” play “  ” pause 1/2 1x 2x 4x speed up or slow speed
- “  ” stop to playe video;
- “  ” add video file into the play list;
- “  ” delete the video file from the play list;
- “  ” refresh the play list;
- “  ” copy the file to a positon the user want;
- “  ” delete the file permently.

In the “File” list:

There are “open”, “refresh the file list”, “clear file list” “exit” in the file list
“open” has same function as “  ” ;
“refresh the file list” hase same function as “  ” ;
“clear file list” is used to clear all the files from list, and don't delete the files;
“exit” , the player will closed after press the button.

In the “Playback” list:

There are “play/pause”, “stop”, “full screen”, “capture picture” in the list
“play/pause” is same with “  /  ”
“stop” is same with “  ” ;
“full screen” is used to let the video window display as full screen.
“capture picture” is used to let the user capture a picture from the video.

“x”, “y”, “z” is used to show the gsensor data.

Speed unit have “kph” and “mph” two options, kph is kilometers per hour and mph is miles per hour.

! Our player only support videos that recorded by our DVR to show the map.

! The video recorded by our DVR can be copied to computers, and don't have GPS log file.