Congratulations...

On your purchase of the Safe Driving Dash Recorder. Dashboard mounted cameras are becoming increasingly popular as a tool for recording car journeys, both for fun and purposes of documentation should an unanticipated event happen while you are driving. Questions of guilt, innocence or liability can easily be determined when a recorded version of an event is available. Documented proof of events can reduce fraudulent insurance claims.

Statistics indicate a significant reduction in accidents when cars are equipped with video recorders.
IMPORTAN SAFETY INFORMATION

- Do not expose Safe Driving Dash Recorder to rain or moisture.
- Safe Driving Dash Recorder is intended for use in a motor vehicle. Do not install the product where it will block the driver’s view of the road (including mirrors) or the deployment of airbags.
- Keep your attention on the road! Do not try to operate or focus on device while driving. If you have to concentrate on or adjust the device, pull over to the side of the road for a moment.
- Make sure the camera lens is kept clean and there is nothing blocking the lens.
- Do not leave Safe Driving Dash Recorder in direct sunlight for a long period of time or where the temperature could go above 140°F (60°C).

Notice: Windshield Mounting Legal Restrictions

Before mounting Clear Dash HD on windshield, consult state and local ordinances. Some states may outlaw suction mounts while driving or regulate where suction mounts are located in your vehicle. Many states have restrictions against “non-transparent material” on a car windshield that may obstruct the driver’s view.

Warning: This product and its components contain chemicals known to the state of California to cause cancer, birth defects, or reproductive harm. This Notice is being provided in accordance with California’s Proposition 65. If you have any questions or would like additional information, please refer to www.oehha.ca.gov/prop65/background/p65plain.html.

Ensure proper disposal of the rechargeable battery.
The battery contained in this device is lithium ion. To locate a battery recycling center near you, call 1-800-8-BATTERY or 1-877-2-RECYCLE for proper disposal.
Clear Dash HD Features & Functions

1. Menu
2. Photo / Play Back
3. Enter / File lock
4. Video Record/Stop/ Up
5. Sound Record/ Down
6. REC Indicator Light
7. Charging Indicator Light
8. MIC Indicator Light
9. AV OUT

10. MIC
11. Micro Memory Card Slot
12. USB Interface
13. Reset Button
14. On/Off Button - day/night
15. Speaker
16. Dash Mount Slot
17. LED Highlight
18. Rotating Camera Lens

Mounting Bracket:
Slide Bracket on to back of Dash Cam
INCLUDES:
1. Power Port Car Charger with Mini USB Cable
2. Micro Memory Card -8Gb
3. USB to Mini USB Charging Cable
4. Suction Dash Mounting Bracket
Clear Dash HD
Screen Features

Mode
File Lock
G Sensor “on”
Recording Active
Mic
Day/Night Setting
Recording Time

Cyclic Record
Exposure
Date & Time
MM/DD/YYYY

Video Resolution
Memory Card
Battery Charge

00:00:12
720P

00:00:00
Getting Started

1. Insert memory card into memory card slot.
2. Mount unit on dash or window of vehicle with camera lens facing the area to be recorded.

Mounting to Dash with Suction Cup

a. Attach Safe Driving Dash Recorder to the suction mount by sliding the square mounting post into the mount slot on the cam.
b. Locate a suitable position to mount the dash cam. Do not obstruct visibility for driving. A smooth surface is needed for suction cup to secure properly.
c. Make sure surface is clean as well as suction cup.
d. Press suction cup to surface. Lock lever in place.
e. Test mount to make secure. If loose, repeat process.

3. Connect unit to power supply. Using the power port cable, plug the USB end into the X-3000 and the other end into the Car Power port. The USB cable can also be used to plug into the X-3000 and a USB power adapter or USB connection.

The red Charging light (7) will illuminate and charge the unit’s battery while it operates on the car’s electrical power. The light will remain on while charging.

4. Unit should power up. If “Welcome” screen does not appear, press and hold ON/OFF (15) button for a few seconds to turn on.
*While using the car power port charging cable, the X-3000 will power up and start recording.

Screen appears with 3 options.
- Mass Storage
- PC Camera
- Rec mode

5. Scroll Down using Down key (5) key to select Rec mode. Press Enter Key (3).

6. Press Video Rec Key (4) to start/stop recording. Check video screen and adjust unit position for best picture recording. Video timer in upper left corner will start to count. Blue record light (6) will blink when recording.

**Charging**

Plug the power port cable into the USB port on the X-3000. The charging light (7) will illuminate. Charging light indicator will turn off after fully charged.

**Battery Use**

Charge the internal battery as per instructions above. The charge of the battery can be seen by the battery strength meter located on the screen in the lower right corner.

**Date & Time**

Press Menu button once to enter Menu Mode. Press again to advance to Video Settings. Select Date/Time by pressing enter. Adjust Date/Time by highlighting fields and using up/down key to correct date. Press Enter.

**Modes of Operation:**

**Recording Video/DVR**

Make sure unit is powered on. Press Rec Key (4) to Start or Stop of recording. Recording time can be viewed in top right corner of the screen. Files will be saved in time intervals set in the Menu settings. Default is 1 minute files. When power to the unit is turned off, recording will be saved automatically. Once memory card in full, files will be rewritten from oldest one by one. Except the locked file.
Photo/Camera

Make sure unit is powered on. Press the Photo/Playback Key (2) to switch to the Photo/Camera mode. Press Key (2) again to take photo.

Playback/ Preview Delete files

Make sure unit is powered on. Hold and press the Photo/Play Key (2) to enter into playback mode. Press down (5) or up Key (4) to scroll though saved files. Press enter button (3) to play file. Press Down button (5) to fast forward at 2x, press again for 4x, press again for 8x. Up button (4) can be pressed to rewind -2x, press again -4x, press again -8x.

Audio Record

Make sure unit is powered on. Press the Audio Sound Key (5) to activate microphone. Yellow Light (8) will illuminate.

Switching between modes

Recording mode to Photo mode- Press Photo Key (2).

Photo mode to Recording mode- Press Video Key (4)

Playback mode to Photo mode- Press and hold Photo Key (2).

Audio Record - press Audio Sound Key (5). Toggle to turn off and on.

Panel Protect

This is the power saving screen. Settings can be adjusted in the Main Menu. Off setting will keep main screen active continuously. Pressing any button will activate the main screen. Default is 30 sec in order to limit distraction on driver.

Saving Files to PC

There are two methods to save files to PC.

From Micro Memory Card:
1) Remove Micro SD card and place in card reader.
2) Find device and open folder for files.
3) Copy/save files to PC.
From Unit
1) Plug USB cable from X-3000 into the USB slot of PC.
2) Find device under My computer.
3) Open folder listed and copy/save files to PC.

Common Video files: O______
G-sensor locked files: EVEO______
Manual operated locked files: SOSO______

Deleting Files
Highlight files on PC when USB cable is connected or when memory card is in card reader. Press Delete.

Reset
Press reset button on the side of the unit to restart the unit.

AV Out
Connect an AV cable to the AV out port of the X-3000 after turning on the product. The camera picture appears automatically and then the product can be operated normally. Pull out the AV cable to exit.

Daylight/Night Recording
Toggle On/Off (14) to turn on Moon for night and Blank for Sunlight.

Setting Loop Recording
Press Menu Key (1), and then press Down Key (5), select “Cyclic Record.”

Setting Motion Detection
Press Menu Key (1), and then press Down Key (5), select “Detection.”
Gravity Sensing
This car camera has G Shock built-in Gravity Sensing. If the vehicle has a severe crash, the current video file will lock automatically. Lock Icon will appear on the middle top of the screen. The lock file will not be overwritten in loop recording.

Parking guard
The car camera will turn on and record automatically when it detects shock after setting parking guard function.

Fill Light
When the light is insufficient, turn on the LED highlight function in menu for additional of light or press the On/Off button to turn on/off. Day/Night Icon will appear on screen.

Capture Mode
Select time for capture mode/picture mode.

Anti-Shaking
Photographs will not be affected by shaking.

Lock File
Press the Enter/File Lock button (3) once to manually activate the video file protection when in standby mode or when recording. The Lock Icon will appear on the screen. The video file recording will be protected for overwriting of the cyclic recording. The Lock icon will protect the file for the length of its recording time. (Ex. 1 min file length
file will be protected for 1 min. Default setting can be changed in Main Menu Cyclic Record.

Lock file is manual activation of the G-sensor which will automatically lock the file when a shock/bump is sensed. Press manually to prevent overwrite of file.

Common Video files: 0______
G-sensor locked files: EVEO______
Manual operated locked files: SOSO______

**Resolution**
Select resolution for video.

**Cyclic record**
Same as loop record. Time of each recording file.

**Motion Detection**
With motion detection selected on, unit will automatically record when there is motion in front of the unit. Recording will stop when movement stops.

*An example of a shock could be a bump by another car in a parking lot.*
Troubleshooting

**Unit will not turn on**
Unit must be charged. Connect to Power source. Charge for a few hours before use.

**Unit is not recording**
Check if memory card is installed or full. Another situation might be that the memory card does not match the unit. Install the memory card supplied with the unit or a similar type.

**Battery is not charging**
Check power connection and status of charging light. Charge for a few hours. Battery issue may exist if there is no light and operation

**Battery is dead after a few hours**
Motion detection may be set to ON and draining battery by detecting excessive motion. Change setting of motion detection to OFF. Default Motion is OFF.

**No Memory Card**
Card may not be installed correctly. Reinstall. Card may be mismatched to the unit.
Images are blurred
Clean camera lens.

Display shuts off
The display turns off at a preset time. Default panel protect setting turns unit off at a preset time. Go to Menu to change setting.
# DEFAULT SETTINGS

<table>
<thead>
<tr>
<th>Main Menu - Video</th>
<th>Menu</th>
<th>Default settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>FHD 1920×1080 / HD 1280×720/VGA 640×480</td>
<td>HD 1280×720</td>
</tr>
<tr>
<td>Cyclic Record</td>
<td>Off/1 Minute/2 Minutes/3 Minutes</td>
<td>1 Minute</td>
</tr>
<tr>
<td>Exposure</td>
<td>-3/-2/-1/0/1/2/3</td>
<td>0</td>
</tr>
<tr>
<td>Audio</td>
<td>Off/On</td>
<td>OFF</td>
</tr>
<tr>
<td>Detection</td>
<td>Off/On</td>
<td>Off</td>
</tr>
<tr>
<td>Date Stamp</td>
<td>Off/On</td>
<td>On</td>
</tr>
<tr>
<td>Gravity Sensing</td>
<td>Off/High/Medium/Low</td>
<td>Medium</td>
</tr>
<tr>
<td>Parking Guard</td>
<td>Off/On</td>
<td>Off</td>
</tr>
<tr>
<td>Menu - Video Settings</td>
<td>Menu</td>
<td>Default settings</td>
</tr>
<tr>
<td>-----------------------</td>
<td>------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Date/Time</td>
<td>MM/DD/YYYY</td>
<td>02/17/2017</td>
</tr>
<tr>
<td>Power Save</td>
<td>1min, 3 mins, 5 mins, Off</td>
<td>1 Min</td>
</tr>
<tr>
<td>Beep Sound</td>
<td>Off/On</td>
<td>On</td>
</tr>
<tr>
<td>Language</td>
<td>Chinese, English, Deutsch, Japanese</td>
<td>English</td>
</tr>
<tr>
<td>TV Mode</td>
<td>PAL/NTSC</td>
<td>NTSC</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz/60Hz</td>
<td>60Hz</td>
</tr>
<tr>
<td>Panel Protect</td>
<td>Off/30S/1 Minute/2 Minutes</td>
<td>30 sec</td>
</tr>
<tr>
<td>Fill Light</td>
<td>Off/On/Auto</td>
<td>Off</td>
</tr>
<tr>
<td>Format</td>
<td>Cancel/OK</td>
<td>Cancel</td>
</tr>
<tr>
<td>Default Setting</td>
<td>Cancel/OK</td>
<td>Cancel</td>
</tr>
<tr>
<td>Version</td>
<td>XD505_V0920170214</td>
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<tr>
<td>Capture Mode</td>
<td>Menu</td>
<td>Default settings</td>
</tr>
<tr>
<td>--------------</td>
<td>------</td>
<td>------------------</td>
</tr>
<tr>
<td>Sequence</td>
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<td>Quality</td>
<td>Fine/Normal/Economy</td>
<td>Fine</td>
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<td>Sharpness</td>
<td>Strong/Normal/Soft</td>
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<tr>
<td>White Balance</td>
<td>Auto/Daylight/Cloudy/Tungsten/Fluorescent</td>
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<td>Color</td>
<td>Normal/Black and White/Sepia/Negative/Solarization</td>
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<td>ISO</td>
<td>Auto/100/200/400</td>
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<td>Exposure</td>
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<td>Anti-Shaking</td>
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<td>Quick Review</td>
<td>OFF/2 Seconds/5 Seconds</td>
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</tr>
<tr>
<td>Capture Mode</td>
<td>Menu</td>
<td>Default settings</td>
</tr>
<tr>
<td>--------------</td>
<td>------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Date Stamp</td>
<td>Off/Date/Time</td>
<td>Date/Time</td>
</tr>
<tr>
<td>Date/Time</td>
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<tr>
<td>Auto Power Off</td>
<td>Off/10S/20S/30S</td>
<td>Off</td>
</tr>
<tr>
<td>Beep Sound</td>
<td>Off/On</td>
<td>Off</td>
</tr>
<tr>
<td>Language</td>
<td>Chinese, English, Deutsch, Japanese</td>
<td>English</td>
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<tr>
<td>TV Mode</td>
<td>PAL/NTSC</td>
<td>NTSC</td>
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<tr>
<td>Frequency</td>
<td>50Hz / 60Hz</td>
<td>60Hz</td>
</tr>
<tr>
<td>LCD Brightness</td>
<td>Off/1 Minute/2 Minutes/3 Minutes</td>
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</tr>
<tr>
<td>Fill light</td>
<td>Off/On/Auto</td>
<td>Off</td>
</tr>
<tr>
<td>Format</td>
<td>Cancel/OK</td>
<td>Cancel</td>
</tr>
<tr>
<td>Default Setting</td>
<td>Cancel/OK</td>
<td>Cancel</td>
</tr>
<tr>
<td>Version</td>
<td>XD505_V0920170214</td>
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### SPECIFICATION

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual angle</td>
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<tr>
<td>Lens degrees rotation</td>
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<tr>
<td>Sensor</td>
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<tr>
<td>Video resolution</td>
<td>1080P/1080PHD /720P/WVGA</td>
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<td>Video format</td>
<td>AVI</td>
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<tr>
<td>Picture format</td>
<td>JPEG</td>
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<td>Picture resolution</td>
<td>Actual pixel 1280**800 (optional)</td>
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<tr>
<td>Highlight</td>
<td>support</td>
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<tr>
<td>Web camera</td>
<td>support</td>
</tr>
<tr>
<td>Motion detection</td>
<td>support</td>
</tr>
<tr>
<td>Removable disk</td>
<td>support</td>
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<tr>
<td>Sound record</td>
<td>synchronous video and sound record/only video without sound (optional)</td>
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<tr>
<td>TF card</td>
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<td>Working humidity</td>
<td>300-500mA</td>
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<tr>
<td>Recording area</td>
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<td>Storage temperature</td>
<td>-20-60 centigrade</td>
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<tr>
<td>Operation temperature</td>
<td>-10-60 centigrade</td>
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<td>Operation humidity</td>
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<tr>
<td>Player software</td>
<td>Windows Media Player/KM player</td>
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<tr>
<td>USB interface</td>
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<tr>
<td>Display screen</td>
<td>2.0 TFT</td>
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<tr>
<td>Capacity of battery</td>
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<td>Charging current</td>
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<tr>
<td>Charging time</td>
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</table>
MANUFACTURER’S
SIXTY DAY LIMITED WARRANTY

The manufacturer warrants that all parts and components are free of defects in materials and workmanship for 60 days from the date the product is received. This warranty is valid only in accordance with the conditions set forth below:

1. Normal wear and tear are not covered by this warranty. This warranty applies to consumer use only, and is void when the product is used in a commercial or institutional setting.

2. The warranty extends only to the original consumer purchaser and is not transferable. In addition, proof of purchase must be demonstrated. This warranty is void if the product has been subject to accident, misuse, abuse, improper maintenance or repair, or unauthorized modification.

3. This limited warranty is the only written or express warranty given by the manufacturer. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
4. Repair or replacement of the product (or, if repair or replacement is not feasible, a refund of the purchase price) is the exclusive remedy of the consumer under this warranty. The manufacturer shall not be liable for any incidental or consequential damages for breach of this warranty or any implied warranty on this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

5. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**Procedure for Warranty Repairs or Replacement:**

If warranty service is necessary, the original purchaser must pack the product securely and send it postage paid with a description of the defect, proof of purchase, and a check or money order for $9.99 to the following address:

**Tristar Products Inc., 500 Returns Road, Wallingford, CT 06495.**