

Driveman

Driveman is designed for the automatic recording of video images and sound during driving. Driveman is an easy to use car mounted video camera that operates completely automatically. When properly installed, recording (REC) starts when the ignition key is turned ON and continuously runs until the key is switched OFF. Ideal for trip documentation and specialty car enthusiast events. Also it may provide valuable information when analyzing an accident cause.

Driveman can playback recorded images on an HD TV using the supplied HDMI cable. The recorded movie files (H.264) on the interchangeable SD card can also be easily played back on your PC or MAC computer. The recorded movies are broken into 5 minute sequences for your convenience and the included 4GB SD card can hold approximately 2 hours of recording. A unique and useful feature is the ability for the Driveman to automatically overwrite the oldest files when the SD card becomes full. NOTE: To avoid losing important parts of your recording, be sure to replace your SD card with an extra one if your trip is longer than 2 hours. If longer time recording is required, use 8GB (4-hours), 16GB (8-hours) or a 32GB SD card that would hold approximately. 16 hours of recording.

Clock set

1. Remove SD card from the slot.
2. Connect the power supply to the Driveman.
3. Move Joystick Control ③ on back of the Driveman to the down position and the clock setting display will appear.
4. Move the Joystick to set the time. When done, depress the Joystick ③ to save the time.

For safety and convenience, the Driveman does not require a battery. To maintain clock settings Driveman use a super-capacitor. Simply turning the engine ON for a few minutes once a week with the Driveman connected will keep the super-capacitor charged.

Operation

Insert an SD card. Ignition ON will automatically start REC and one beep sounds confirming Driveman operation. The large LCD display shows the recording image and a RED DOT. shows that REC is in progress. LED on back of the unit also shows RED when the REC is in progress.

If no SD card is inserted or inserted incorrectly,, four beeps sound to alert you to a system problem.

When the ignition is turned OFF, REC stops automatically and closes the last file to shut down the system.

The LCD display switches automatically from the live recording image to a clock display after one minute from REC start to comply with some State laws prohibiting video displays except GPS when driving..

Even if the Driveman is shut off manually during REC, the next time the ignition Key is switched ON automatic REC will resume.

Pressing the manual REC button ④ once will set the video image on the LCD for an additional one minute time and automatic REC resumes., press REC button twice and REC stops.

Caution

- Press power button ② for at least 2 seconds to activate the ON/OFF button.
- Never remove the SD card during the REC process, fatal SD card damage could result.
- Also removing the SD card during the REC process, could corrupt the last file recorded. Always remove the card AFTER the Driveman is shut off. However, you may Insert an SD card when the power is ON. If the REC function does not start automatically, press the REC button to begin recording.
- Driveman will emit 4 seconds of beeps if no SD card is inserted. Also if the Driveman cannot recognize the specific SD card or it takes more than 5 seconds to recognize a card, the same 4 seconds of beeping will sound. Certain types of SD cards may not be recognized, try another brand of SD card if this occurs..
- In your SD card already contains other files than recorded MOV files, Driveman will leave those files as is and utilize only the remaining available space on the card. However, the remaining space must be at least 206MB or the Driveman will stop operations due to insufficient working space.
- On some car models or some cars with a low battery condition, battery voltage may drop at ignition start-up and Driveman may Power OFF. If this occurs, simply press the power button ② for a few seconds to turn the unit ON.
- If your Driveman lens is dirty, the image quality will not be very good. Please wipe the lens with a clean soft cloth.

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Playback on a TV

1. Disconnect the car power cable from the Driveman.
2. Slide Driveman sideways to disconnect it from the mounting bracket.
3. Connect the Driveman with the AC adaptor.
4. Connect the Driveman to a TV with the supplied HDMI cable.
5. The Recorded images will be displayed on the TV as thumbnails.
6. Choose the desired thumbnail by moving the Driveman joystick.
7. The Driveman will play the all the movies continuously from the chosen thumbnail image to the last one.
8. During playback, the speed can be selected from 1/2 speed, normal speed, 3x and 6x speeds in both forward and reverse with the joystick.



Caution

- The larger the size of the SD card, the longer time it will take to display all the thumbnails.
- The File-to-file gap will display a dark image for approx. 1 sec., but the images of those files are connected. The actual recording gap between each file is less than 0.05 sec.
- Some traffic lights will display as blinking and some as steady. LED traffic lights will blink and incandescent lights do not blink. This is normal.
- The Driveman LCD display will change to a clock display during REC mode but will display the video image in Stand-By mode.
- Thumbnail files indicated as ① mean that the file is too short (less than 2 sec.) and cannot be played.
- The LCD display may black out when if the temperature becomes more than 80 degrees C. When parking a car on a hot sunny day in direct sunlight, remove your Driveman from the bracket and store it inside the glove box or other shaded area.
- Mount your Driveman securely in the bracket or it could fall out while driving.

Driveman Playback on built-in LCD

1. Playback can be done the same as on a TV but with no sound.
2. No HDMI cable is needed.
3. For thumbnail indication, press Driveman joystick UP at stand-by mode.

Driveman Playback on a PC

1. Remove your SD from the Driveman and insert it into an SD Card slot on your PC or a card adapter connected to your PC..
2. Use your PC playback software for the H.264 MOV file type. For example: Media Player Classic, Quick Time, Splash Lite, VLC Media Player, etc.
3. Depending on your PC's processor speed, video card characteristics, memory size or SD card transfer speed, your images may not play smooth and/or sound may cut in and out..
4. If you rename a file in your PC, it will not be recognized by your Driveman.

Mounting and Installation Guide

Instructions for your installer

Caution

1. Be sure the driver's visibility is not blocked.
2. Use the Top 1/5 of the windshield.
3. Be sure the rearview mirror does not block the camera..
4. Be sure the viewing area is cleared of rain by the wipers..

Connect RED wire to a Positive (+) terminal (12 or 24 V).
Connect Black lead to a Ground (-) terminal.

Use supplied Bracket, DC connection cable,
Driveman body and adhesive tape.

Other Cautions

- The Warranty and performance described in this instruction sheet is applies to the use of the SD card supplied with your Driveman. Most other SD cards should work fine but can not be guaranteed. Test other cards for proper functioning before use.
- SD card is a consumable and has an expected lifetime of approximately one year (with daily 24 hour use).
- Driveman is designed for standard HDMI but may not work with all TVs and/or monitors.
- If a recorded image is lost or not recorded by any reason, Driveman has no liability.
- One or two black pixels on the LCD are normal and will not effect the image..
- Bracket adhesive tape strength is maximized after 24 hours.
- Specifications are subject to change without notice..

RF Interference

- In the presence of strong RF interference, the image may be momentarily interrupted.
- RF interference sources could be a nearby broadcast station, radio tower, radio station, mobile radio station, amateur radio station, illegal radio emitting CB radio or microwave oven.



Driveman® 720

Warranty card

Parts Identification

- ① LCD display Left Top REC DOT. indicator
- ② Power OFF button (ON/OFF switch)
- ③ Joystick Control
- ④ REC Button (manual stop/start)
- ⑤ Date Time Indicator
- ⑥ LED RED = REC Green = STAND BY
- ⑦ Microphone
- ⑧ SD Card Slot
- ⑨ Mounting Bracket
- ⑩ Power Connector
- ⑪ Mini HDMI Output
- ⑫ Serial Number location

