

User's Manual

DP100

Car Video Recorder



(Version 1.0)

 **Transcend[®]**

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Introduction |

Thank you for purchasing Transcend's DrivePro 100 (The Following call DP100) – an advanced car video recorder (CVR) that is specifically designed to capture real time video of events happening outside your vehicle while driving. Mounted on your car's windshield, the DrivePro uses a 130° Wide Angle Lens for the best field of view and records video in crystal clear Full HD 1080P to ensure all the important details of your trip are recorded. Videos are saved on a microSD memory card as the vehicle is driven. Your DrivePro comes bundled with a 16GB Transcend microSD memory card, letting you record around 2 hours of Full HD footage without the need to purchase additional storage. Thanks to its built-in screenshot function, you can use capture key to capture picture during recording. This User Manual will give you step-by-step instructions and advice to help you get the best experience from your new device. Please read it carefully before using the DrivePro.

Package Contents |

The DrivePro Car Video Recorder package includes the following items:

- DrivePro Car Video Recorder



- Adhesive Mount or Suction Mount



- Car Adapter



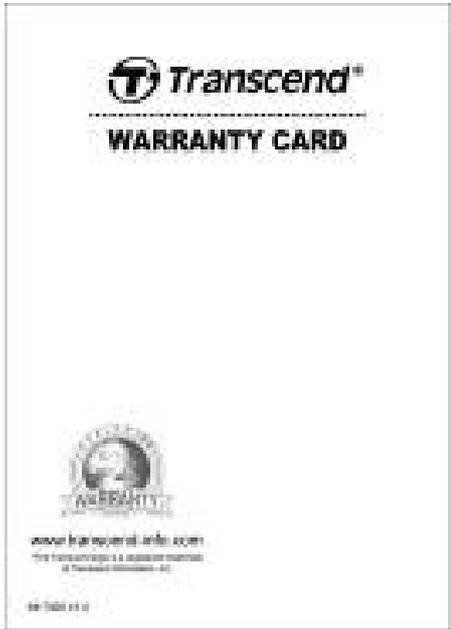
- 16GB microSD Memory Card



- Quick Start Guide



■ Warranty Card



Features |

- Smooth, detailed Full HD 1080P recording @ 30fps resolution
- Bright 2.4-inch color LCD screen
- 130 degree wide angle lens
- Bundled 16GB microSD memory card
- Screenshot function lets you capture picture while recording
- Hi-Speed USB 2.0 connector for easy computer connectivity and fast file transfers
- Records videos in MP4 file format with 15Mbps high video bit rate
- Built-in microphone
- Built-in speaker
- Supports 13 languages

System Requirements |

System requirements for connecting the DrivePro to a computer:

- Desktop or notebook computer with a working USB port
- One of following Operating Systems:
 - Windows® XP
 - Windows Vista®
 - Windows® 7
 - Windows® 8
 - Mac® OS X 10.8.2 or later
 - Linux® Kernel 2.6.38 or later

Safety Precautions |

These usage and safety guidelines are **IMPORTANT!** Please follow them carefully to ensure your own personal safety and help protect your DrivePro from potential damage.

■ General Use

- For in-car use only.
- Do not operate the DrivePro or use the DrivePro App while driving.
- Avoid using or storing the DrivePro in an extreme temperature environment.
- Never allow the DrivePro to come in contact with water or any other liquids.
- Do not use the DrivePro in environments with strong magnetic fields or excessive vibration.
- Only use the Transcend provided car adapter with the DrivePro. Use of other car adapters may cause unknown problems.
- If your car's lighter socket continues to provide power after the engine is switched off, unplug the DrivePro when the engine is off or idling to reduce unnecessary power consumption and prevent any unexpected problems.

■ Mounting Location

- Never place the DrivePro where the driver's view or deployment of airbags is obstructed.
- Mount the DrivePro within range of the windshield wipers to ensure clear visibility in rain.



WARNING! Removing the DP100 carefully if mounting the DrivePro on a tinted window to prevent damage to the tint film.

■ Backing Up Data

- **Transcend does NOT take any responsibility for data loss or damage during operation.** We strongly advise that you first backup the data in your memory card to a computer or other storage medium before using it in your DrivePro.
- To ensure Hi-Speed USB 2.0 data transfer rates when connecting your DrivePro to a computer, please check that the computer has the relevant USB drivers. If you are not sure how to check this, please consult the computer or motherboard User's manual for USB driver information.

Getting Started |



| | |
|----------|----------------------------|
| A | Wide Angle Lens |
| B | Built-in Speaker |
| C | 2.4" LCD Display |
| D | Function Buttons |
| E | LED Indicator |
| F | Reset Button |
| G | Emergency Button |
| H | Memory Card Slot |
| I | Bracket Socket |
| J | USB Connector |
| K | Built-in Microphone |

■ Inserting a microSD Memory Card

You must insert a microSD memory card into the DrivePro before you can start recording. Please use a Class 6 or above microSD memory card with 8GB, 16GB, 32GB or 64GB capacity.

1. Insert a microSD memory card into its appropriate card slot on the left-hand side of the DrivePro.

Note: Always format new memory cards in the DrivePro before using them for the first time. To format a new memory card, press the Settings button during recording and select **Format Card**.



WARNING! TS16GDP100 do not support NTFS format, and support FAT32 & exFAT format.



2. To remove, push to eject the memory card out of the slot.



WARNING! Do not remove the memory card during shutdown to avoid damage to the memory card and loss of recorded videos.

- The following table shows approximate recording time based on capacity and resolution (for reference only):

| Card Capacity | Full HD 1080P 30fps | HD 720P 30fps |
|---------------|---------------------|---------------|
| 8GB | 1hr 10 min | 2hr 10 min |
| 16GB | 2hr 20 min | 4hr 20 min |
| 32GB | 4hr 40 min | 8hr 50 min |
| 64GB | 9hr | 18hr |

■ Mounting the DrivePro

1. Insert the mounting bracket into the top of the DrivePro and slide sideways until you hear a click.



2. Thoroughly clean and dry the area of the windshield you wish to mount the DrivePro. If possible, mount the DrivePro in the middle of the windshield near the rear-view mirror for the best field of view.
3. Peel off the protective film from the mounting bracket's foam sticker and firmly attach the DrivePro to the windshield.
4. Turn the adjustment knob anticlockwise to loosen and then adjust the DrivePro's position.



5. When the DrivePro is in the best position, turn the adjustment knob clockwise to make sure the DrivePro is securely locked in place.



■ Connecting to Power

Note: Insert a microSD memory card before connecting the DrivePro to your car's lighter socket.

1. Connect the small end of the car adapter to the USB connector of the DrivePro.



2. Connect the other end of the car adapter to your car's lighter socket.



3. After starting your car, the DrivePro will automatically turn on and start recording.
4. After the engine is switched off, the DrivePro will automatically save the current recording and power off.

Note: On some cars, the lighter socket continues to provide power after the engine is switched off. If this happens, unplug the DrivePro when the engine is off or idling to reduce unnecessary power consumption and prevent any unexpected problems.

■ Recording Screen

- ① Recording status indicator
- ② Video resolution
- ③ Microphone status indicator
- ④ Battery status indicator
- ⑤ No. of protected files stored out of 15
- ⑥ Record preview
- ⑦ Menu button icons



■ Function Buttons



| Mode | A | B | C | D |
|-----------------|---|---|---|---|
| Video Recording |  /  Voice Recording* |  Browse Files |  Settings |  Photograph |
| Browse/Settings |  Back* |  Up |  Down |  OK |
| Video Playback |  Back* |  Delete |  Protect |  Play/Pause |
| Photo View |  Back* |  Up |  Down |  Delete |

*Press and hold for 3 seconds to turn on/off the DrivePro in any mode.

■ Emergency Recording

During video recording, press the emergency button on the left-hand side of the DrivePro to manually activate emergency recording mode.



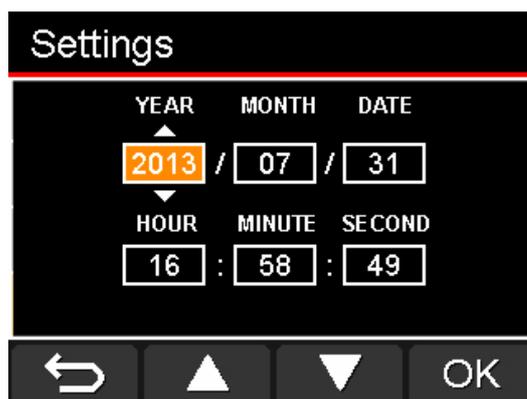
■ LED Indicator Reference Chart

| LED Status | Definition |
|--------------|------------|
| Solid Red | Standby |
| Flashing Red | Recording |

■ Set the Date and Time

To set the current date and time:

1. During video recording, press the Settings button .
2. Use  /  to select **Date/Time Settings** and press .



3. Use  /  to adjust the value and press  to move to the next field.
4. Repeat step 3 above until the date and time settings are complete.

Recording Videos |

After starting your car, the DrivePro will turn on and start recording automatically.

By default, one video file is saved for every 1 minute of recording. To adjust the recording length, please see the **Settings** section of this manual.



After the engine is switched off, the DrivePro will automatically save the current recording and power off.

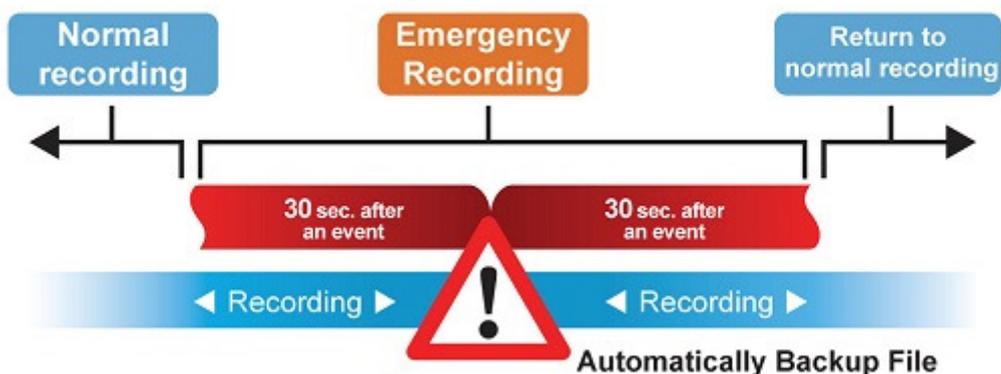
Note: On some cars, the lighter socket continues to provide power after the engine is switched off. If this happens, unplug the DrivePro when the engine is off or idling to reduce unnecessary power consumption and prevent any unexpected problems.

■ Loop Recording

With Loop Recording enabled, the oldest files in the memory card will be overwritten by new video files when memory card capacity is full. To enable Loop Recording, please see the **Settings** section of this manual.

■ Emergency Recording

In emergency recording mode, the DrivePro records data after the event occurs (total 1 minute). The DrivePro can save up to 15 emergency video files. Video files recorded in emergency mode are protected from being overwritten.



Manual event recording: During video recording, press the emergency button on the left-hand side of the DrivePro to manually activate emergency recording mode. The emergency icon will appear on the screen when activated.



G-Sensor event recording: During video recording, if the DrivePro detects an impact, it will automatically activate emergency recording mode.

- If the G-Sensor sensitivity is set to “High”, even minor shocks will be detected.
- If the G-Sensor sensitivity is set to “Low”, it will only detect significant shocks.

G-Sensor sensitivity can be adjusted or disabled in the Settings menu.

Note: The message “Max number of emergency files reached” will appear on the screen when 15 emergency recorded files have been saved, and the oldest emergency file will be overwritten automatically when a new emergency recording file is created.

■ Low Battery

Low Battery : Be sure to charge your DP100 as soon as possible to avoid system time setting error as this warning message appears, and please avoid turning on DP100 via built-in battery directly

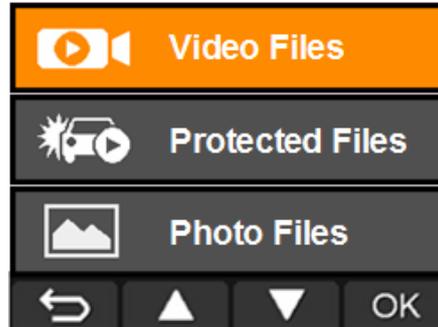


Notice : Suggest to charge DP100 before using it.

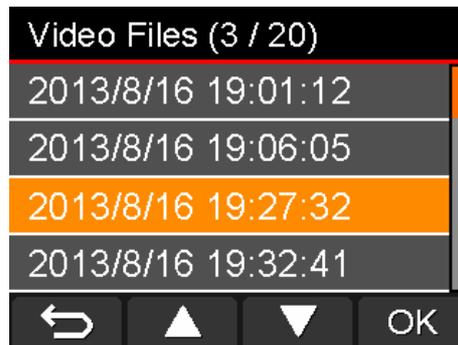
Browse and Playback Videos |

■ Playing Videos / Photos

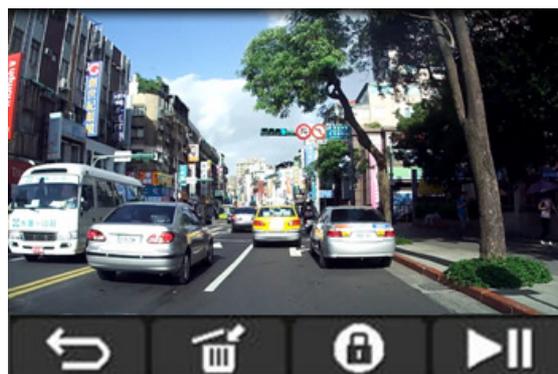
1. During video recording, press the Browse button .
2. Use  /  to select either **Video Files**, **Protected Files** or **Photo Files** and press .



3. Use  /  to select the desired video file and press .



4. Press  to pause playback. Press  again to resume playback.

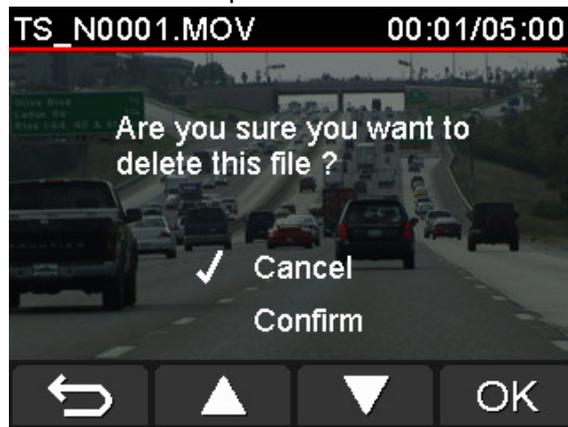


5. Press  to return to the video file list.

■ Deleting Videos

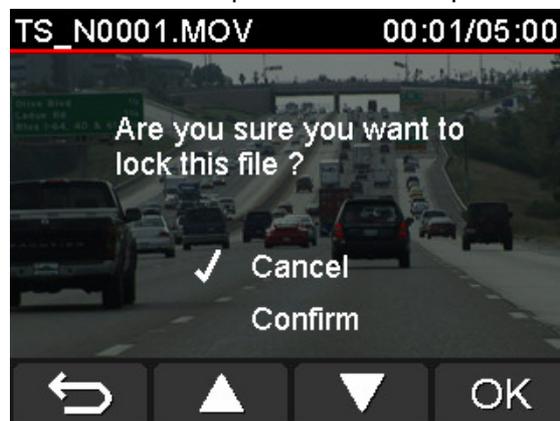
1. During playback of a video file, press . The message "Are you sure you want to delete this file?" will appear.

2. Use  /  to select "Yes" and press  to delete the file.



■ Protecting Videos

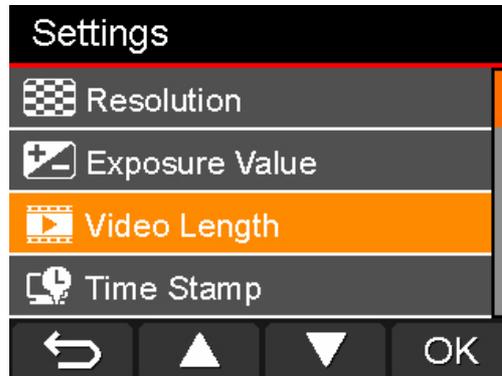
1. During playback of a normal video file, press . The message "Are you sure you want to protect this file?" will appear.
2. Use  /  to select "Yes" and press  to protect the file.



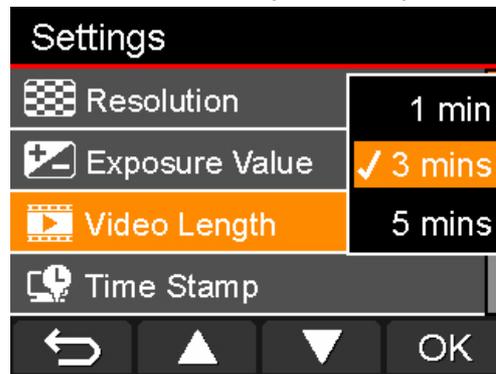
Settings |

In the Settings menu, you can adjust settings such as video resolution, recording time, and G-Sensor sensitivity. You can also set the date/time, change interface language, format memory card, and upgrade firmware.

1. During video recording, press the Settings button .



2. Use  /  to select the desired menu option and press .



3. Use  /  to select the desired setting and press .
4. Press  to return to the Settings menu.

■ Menu Options



Resolution: Set the resolution/quality for recording video.

Available options: **1080P (FHD) / 720P (HD)**



Exposure Value: Adjust exposure composition value to lighten or darken the preview screen.

Available options: **+2.0 / +1.5 / +1.0 / +0.5 / 0 / -0.5 / -1.0 / -1.5 / -2.0**



Video Length: Set the recording length of each recorded video file.

Available options: **1 min / 3 mins / 5 mins**



Time Stamp: Adds the current time of the event to the video being recorded.

Available options: **Enable / Disable**



Voice Recording: Turn on/off microphone during video recording.

Available options: **Enable / Disable**



Loop Recording: When memory card capacity is full, the oldest files will be overwritten.

Available options: **Enable / Disable**



Volume: Set the speaker volume level.

Available options: **0 / 1 / 2 / 3 / 4 / 5 (You can also choose 0 to turn off the Beeper)**



G-Sensor: Adjust the sensitivity of the G-Sensor.

Available options: **Disable / Low / Medium / High**



Auto Turn Off Display: Set duration for display to automatically turn off after recording begins.

Available options: **Never / After 1 min / After 3 mins**



Date/Time Settings: Set the current date and time.



Date/Time Format: Set date format as Y/M/D or M/D/Y. Set time format as AM/PM or 24H. This setting applies to Time Stamp and system time.



Language: Set the on-screen display menu language. (Built-in 13 languages)

Available options: **English / 繁體中文 / 简体中文 / 日本語 / Deutsch / Español / Ελληνικά / Français / Italiano / Россия / Português / Türkçe / 한국어**



Delay Turn OFF : Postpone shutdown timing.

Available options : **OFF/ 10 sec / 30 sec**



Light Frequency: It eliminates the flickering that can occur with street lights and billboards and so on.

Available options: **50Hz / 60Hz**



Information: Displays DrivePro's current firmware version, card capacity, free space.



Format Card: Format the microSD memory card.

Available options: **No / Yes**



WARNING: Formatting the memory card will erase all data on the card.

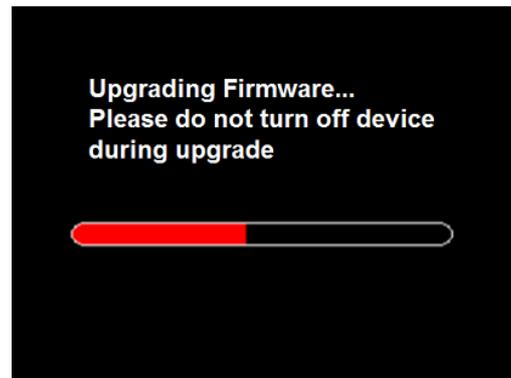
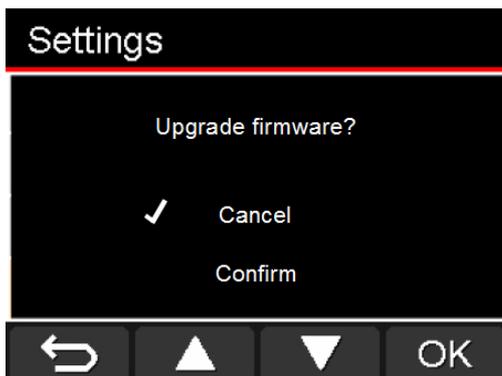
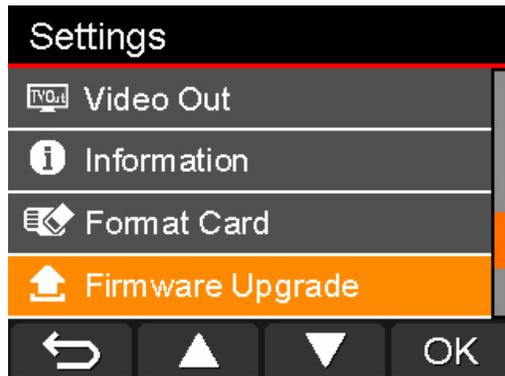


Upgrade Firmware: Use this function to keep your DrivePro up to date with the latest version from Transcend (available on the Transcend website <http://tw.transcend-info.com/Support/DLCenter>).

1. After downloading firmware from Transcend website, decompress it and then put it in the "SYSTEM" folder in microSD memory card.

| 名稱 | 修改日期 |
|---------|---------------------|
| N-VIDEO | 2013/11/18 下午 01... |
| P-VIDEO | 2013/11/18 下午 01... |
| SYSTEM | 2013/11/18 下午 01... |

2. Insert the microSD memory card that contains a newer version of firmware.
3. Select Upgrade Firmware from the Settings menu and press **OK** to start the firmware detection process. The DrivePro will automatically find the new firmware file.



WARNING: NEVER remove the power cord or the microSD memory card while the firmware is being upgraded.

If firmware upgrade fails and the DrivePro will not turn on, please contact Transcend customer support.



Restore Defaults: Reset all settings to factory default settings.

Available options: **No / Yes**

Transfer Files to a Computer |

To transfer files between the DrivePro's memory card and your computer:

Option 1: Take the microSD memory card out of the DrivePro and use a compatible card reader to transfer files to your computer.

Option 2:

1. Insert the memory card into the DrivePro.
2. Plug the small end of a USB cable into the Mini-B USB port located on the right-hand side of the DrivePro.
3. Plug the large end of the cable into an available USB Port on your desktop or notebook computer.



DP100 package does not contain USB cable.

The DrivePro will display the following screen when connected to a computer:



■ Windows® XP, Vista, 7 and 8

No drivers are required for connecting the DrivePro to your desktop or notebook computer. Windows® Operating Systems have built-in drivers to support your DrivePro. Upon successful connection to your computer, a new **Removable Disk** drive with a newly assigned drive letter representing the DrivePro will automatically appear in the **My Computer** window and a Removable Hardware  icon will appear in the Windows System Tray.

| 名稱 | 類型 | 大小總計 | 可用空間 |
|--------------------|--------|---------|---------|
| ▲ 硬碟 (2) | | | |
| 本機磁碟 (C:) | 本機磁碟 | 87.7 GB | 36.7 GB |
| 本機磁碟 (D:) | 本機磁碟 | 377 GB | 347 GB |
| ▲ 裝置中含有卸除式存放裝置 (2) | | | |
| DVD RW 磁碟機 (E:) | CD 光碟機 | | |
| TRANSCEND (I:) | 抽取式磁碟 | 29.4 GB | 860 MB |

*Note: (I:) is an example drive letter – the letter in your “My Computer” window may differ.

Your DrivePro is now ready to transfer data just like an external hard drive. To transfer videos, simply drag-and-drop files from the folder that represents the DrivePro.

Proper removal of your DrivePro (from Windows):

1. Click once on the **Removable Hardware** icon  in the system tray.
2. The **Safely Remove Hardware** pop-up window will appear. Select it to continue.
3. A window will appear stating, “**The ‘USB Mass Storage Device’ device can now be safely removed from the system.**” Unplug your DrivePro from the USB port after this message appears.



■ Mac® OS X 10.8.2 or later

No drivers are required. Plug your DrivePro into an available USB port and your computer will automatically detect it.



Proper removal of your DrivePro (from Mac OS):

First drag-and-drop the Disk icon corresponding to your DrivePro into the trashcan then unplug your DrivePro from the USB port.



1. **WARNING!** To prevent data loss, always follow the proper removal procedures when disconnecting the DrivePro from your computer.
2. When DrivePro is connected to a computer, it can only be used for transferring files. You will not be able to use any of the DrivePro's features at this time. Please disconnect your DrivePro from the computer to resume normal function.
3. **NEVER** use the "format" or "initialize disk" function while the DrivePro is connected to your computer, even if prompted to do so.

Troubleshooting |

If a problem occurs with your DrivePro please first check the information listed below before sending your DrivePro for repair. If you are unable to remedy a problem from the following hints, please consult your dealer, service center, or local Transcend branch office. We also have FAQ and Support services on our website. For any Hardware issues please consult the DrivePro User's Manual.

■ **My computer's operating system cannot detect my DrivePro**

Check the following:

1. Is your DrivePro properly connected to the USB port? If not, unplug it and plug it in again. Make sure the USB port is connected on both ends, as shown in the User's Manual.
2. Is your DrivePro connected to the Mac keyboard? If yes, unplug it and plug it into an available USB port on your Mac Desktop.
3. Is the computer's USB port enabled? If not, refer to the user's manual of your computer (or motherboard) to enable it.

■ **I was using my DrivePro, now no buttons are responding (hangs / lags / stalls)**

Try unplugging the car adapter from your DrivePro, then reconnecting it to your DrivePro again.

■ **My DrivePro cannot read videos on my memory card**

Edited and deformed videos may not display properly on your DrivePro.

■ **Why does nothing happen when I press the "Emergency Recording" button?**

Emergency recording only works when your DrivePro is in recording mode.

Specifications |

| | |
|--------------------------------|--|
| Panel: | 2.4" color LCD |
| Speaker / Microphone: | 1.0 Watt / 0.5mA (Built in) |
| Connect interface: | USB2.0 |
| Storage: | MicroSD, 8GB / 16GB / 32GB / 64GB (Class 6 or above) |
| Control keys: | 4 function buttons 1 emergency recording button 1 reset button |
| Dimensions: | 68.3 mm(L) × 63.1 mm(W) × 34.3 mm(H) |
| Weight: | 72.6 g |
| Power Supply: | Input DC12V~24V Output DC5V / 1A |
| Operating Temperature: | -20°C (-4°F) ~ 65°C (149°F) |
| Video Formats: | H.264 (MP4 : up to 1920x1080 30fps) |
| Lens | F/1.8, 130° wide angle |
| Resolution / Frame rate | Full HD (1920 x 1080) 30fps HD (1280 x 720) 30fps |
| Certification: | CE, FCC, BSMI |
| Warranty: | 2 years |

Recycling and Environmental Considerations |



Recycling the Product (WEEE): Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potential negative consequences on the environment and human health.



Battery Disposal: Your product contains a built-in rechargeable battery covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.

Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

For products with non-exchangeable built in batteries: The removal of (or the attempt to remove) the battery invalidates the warranty. This procedure is only to be performed at the end of the product's life.

Federal Communications Commission (FCC) Statement

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received including interference that may cause undesired operation.

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Two-year Limited Warranty |

This product is covered by a Two-year Limited Warranty. Should your product fail under normal use within two years from the original purchase date, Transcend will provide warranty service pursuant to the terms of the Transcend Warranty Policy. Proof of the original purchase date is required for warranty service. Transcend will inspect the product and in its sole discretion repair or replace it with a refurbished product or functional equivalent. Under special circumstances, Transcend may refund or credit the current value of the product at the time the warranty claim is made. The decision made by Transcend shall be final and binding upon you. Transcend may refuse to provide inspection, repair or replacement service for products that are out of warranty, and will charge fees if these services are provided for out-of-warranty products.

Limitations

Any software or digital content included with this product in disc, downloadable, or preloaded form, is not covered under this Warranty. This Warranty does not apply to any Transcend product failure caused by accident, abuse, mishandling or improper usage (including use contrary to the product description or instructions, outside the scope of the product's intended use, or for tooling or testing purposes), alteration, abnormal mechanical or environmental conditions (including prolonged exposure to humidity), acts of nature, improper installation (including connection to incompatible equipment), or problems with electrical power (including undervoltage, overvoltage, or power supply instability). In addition, damage or alteration of warranty, quality or authenticity stickers, and/or product serial or electronic numbers, unauthorized repair or modification, or any physical damage to the product or evidence of opening or tampering with the product casing will also void this Warranty. This Warranty shall not apply to transferees of Transcend products and/or anyone who stands to profit from this Warranty without Transcend's prior written authorization. This Warranty only applies to the product itself, and excludes integrated LCD panels, rechargeable batteries, and all product accessories (such as card adapters, cables, earphones, power adapters, and remote controls).

Transcend Warranty Policy

Please visit www.transcend-info.com/warranty to view the Transcend Warranty Policy. By using the product, you agree that you accept the terms of the Transcend Warranty Policy, which may be amended from time to time.

Online registration

To expedite warranty service, please access www.transcend-info.com/register to register your Transcend product within 30 days of the purchase date.



Transcend Information, Inc.

www.transcend-info.com

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*The specifications mentioned above are subject to change without notice.

*All logos and marks are trademarks of their respective companies.

GNU General Public License (“GPL”) Disclosure

Firmware incorporated into this product and/or software used for this product may include third party copyrighted software licensed under the GPL (hereinafter referred to as “GPL Software”). In accordance with the GPL, if applicable: 1) the source code for the GPL Software may be downloaded at no charge or obtained on CD for a nominal charge by calling Customer Support within three years of the date of purchase; 2) you may copy, re-distribute and/or modify the GPL Software under the terms of the GNU General Public License as below or any later version, which may be obtained at <http://www.gnu.org/licenses/gpl.html>; 3) the GPL Software is distributed WITHOUT ANY WARRANTY, without even implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. The entire risk as to the quality and performance of the GPL Software is with you. Transcend does not provide any support for the GPL software.

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