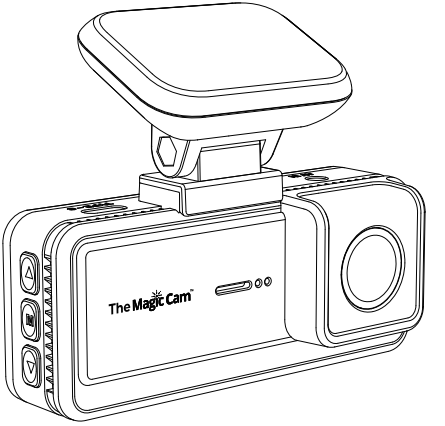
V1.0

The Magic Brand

The Magic Cam™



S500 User Manual

trymagicbox.com

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Notice

- Please read this manual carefully before operation and keep it for future reference. It will be helpful should you encounter any operational problems.
- Improper installation will void the manufacturer's warranty. The installation instructions do not apply to all types of vehicles and are written as guidelines to assist in installing the system.
- Consult an experienced technician if you are not comfortable installing the product.
- Please make sure to read and understand local laws and regulations regarding cameras and their use in a vehicle. Laws vary by state.
- Do not obscure the view of the road ahead or impede the deployment of any airbags in the event of an accident.
- When not in use, please disconnect the car adapter from both the 12/24V DC outlet in your vehicle and the device itself.
- Only clean the device with a soft dry cloth, for tough dirt, apply some neutral detergent diluted in 5 to 6 parts water on a soft cloth.
- Note that alcohol, thinner, benzene, etc could cause damage to the paint or coatings.
- Avoid making contact with the lens as this may cause damage.
- The video recordings made by this Digital Video Recorder are intended for personal use only.
- While driving, do not adjust the controls of your device as this is a distraction to driving.

Product Specifications

Item Name	The Magic Cam™ S500	**Video Format**	MP4
Screen Size	3.18" IPS Touch Screen	**Photo Format**	JPEG
Recording Resolution	Front 2160P @30fps / Front 1440P @60fps Front 1080P @120fps	**Lens**	F1.5
Operating Temperature	-4°F~158°F	**Input**	DC 5V-2.5A
Micro SD card	32GB-256GB	**Warranty Period**	1 Year

Note:

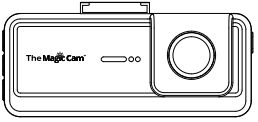
If you have any problems during use, we will provide 1 year free replacement and lifetime technical support.

*The specific warranty period is subject to local laws.

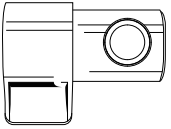
Extended Warranty Service:

After registering information on trymagicbox.com, you may extend the warranty for an additional 6 months free of charge.

Package Contents

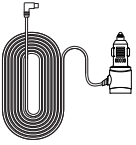


• The Magic Cam™ S500



• Rear Camera

• GPS Mount



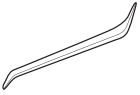
• Power Supply Cable with Car Charger

• 32GB Memory Card

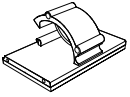
• Electrostatic Sticker *2

• Adhesive

• User Manual

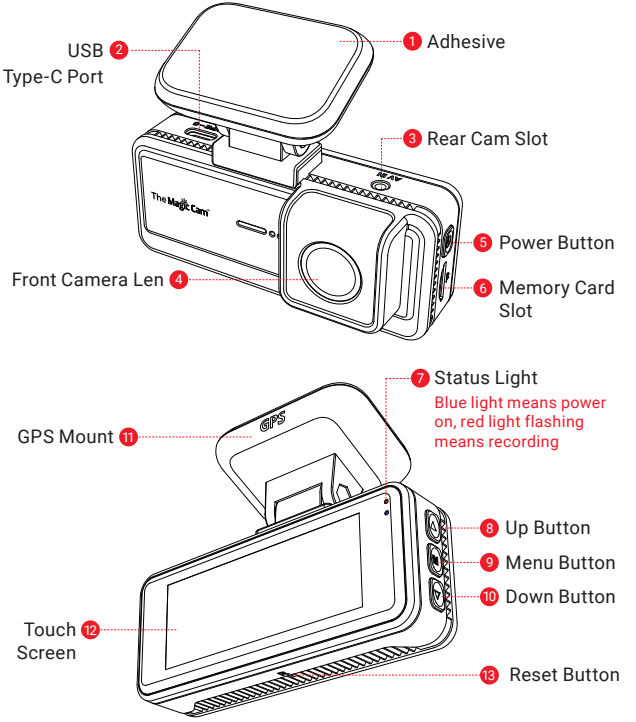


• Tool



• Cable Clips*5

Appearance


1 Adhesive
USB 2
Type-C Port
3 Rear Cam Slot
The Magic Cam
5 Power Button
Front Camera Len 4
6 Memory Card Slot
7 Status Light
Blue light means power on, red light flashing means recording
GPS Mount 11
GPS
8 Up Button
9 Menu Button
10 Down Button
Touch 12
Screen
13 Reset Button

Buttons and Functions

Power Button

Recording Mode:

- Short press-to Switch screen
- Long press-to Turn off the Camera

Setup Mode:

- Short press-to Return to the previous screen

Playback Mode:

- Short press-to Return to the previous screen

Menu Button

Recording Mode:

- Short press to Enter main menu

Setup Mode:

- Short press-to Enter/Confirm specific settings

Playback Mode:

- Short press-to Select and play the specific file
- Long press-to Delete/Lock/Unlock the specific file

Up Button

Recording Mode:

- Short press-to Lock/Unlcok the recording file
- Long press-to Turn on or off Wi-Fi

Setup Mode:

- Short press-to Select the previous function

Playback Mode:

- Short press-to Select the previous file
- Short press-to Fast rewind while vidio being played

Down Button

Recording Mode:

- Short press-to Take a snapshot
- Long press-to Stop recording

Setup Mode:

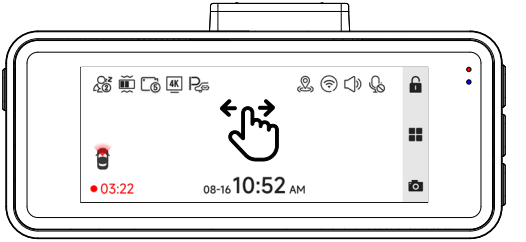
- Short press-to Select the next function

Playback Mode:

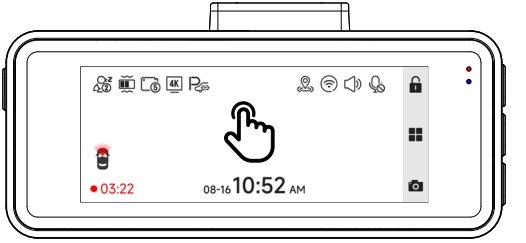
- Short press-to Select the next file
- Short press-to Fast forward while video is being played

Touch Screen Function

• Video Mode



Swipe the screen left or right to switch the screen to Front camera > Screensaver.



You can manually lock the video by clicking the icon in the upper right corner of the screen and a small white lock appears in the middle of the screen .

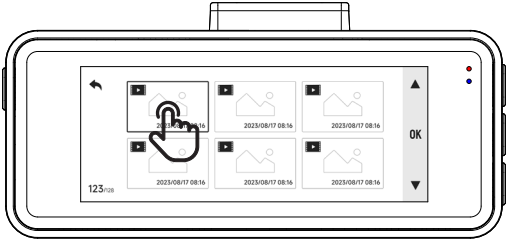
You can manually click the icon at the top of the screen to choose whether to record audio during video recording.

You can manually click the icon at the top of the screen to choose whether to turn on Wi-Fi.

You can manually click the icon at the top of the screen to choose whether to turn on the key sound.

You can click the icon in the lower right corner of the screen to take a photo.

• Playback Mode

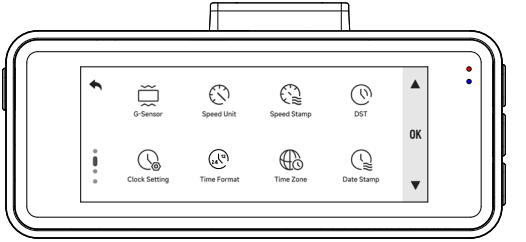


Swipe up and down on the playback interface to turn pages.

You can click the icon to turn the page.

You can click on any video to play it back.

• Setting Mode



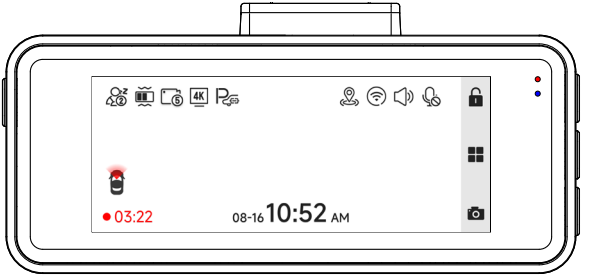
Swipe up and down on the menu interface to turn pages.

Click the icon , to select the icons in order in the menu interface.

Click on any function icon to touch the screen.

User Interface Overview

• Recording Mode

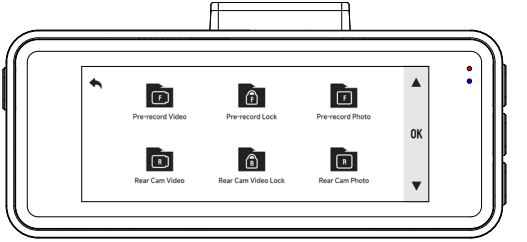


Icon	Description
	G-Sensor sensitivity
	Loop recording in 1 min/3 mins/5 mins per file
	Whether to connect the hardwired kit and set up parking monitoring
	Fatigue driving function is on
	GPS status
	Wi-Fi status

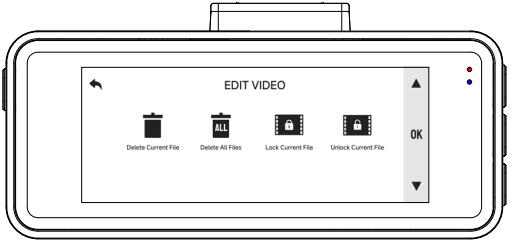
Icon	Description
	Camera system sound status
	Voice recording status
	Whether the rear camera is connected
● 03:22	Recording status and recording time
● 03:22	Emergency recording is on
08-16 10:52 AM	Date and time of the camera
4K	Recording resolution
	Emergency Video Lock
	Enter the menu
	Photograph function
	Power Indicator
	Red led blinking: Recording Video /No Red led: Not Recording Video

• Playback Mode

1. Press M button to enter Playback mode.
2. Press Up or Down button to select the folder you want to play, press M button to enter.



3. Press M button to watch the recorded video.
4. Long press M button 3s to edit your records.



Function Overview

Short press M button to enter settings menu, where you can adjust various functions and parameters of the entire machine.

Icon	Function	Option/Description
	Resolution	2160P @30fps/1440P @60fps/1080P @120fps
	Audio	Sound Recording
	Date Stamp	ON/OFF
	Loop recording	1/3/5mins
	G-sensor	Off/Low/Medium/High
	Fatigue Driving	A Reminder Will be Made During 1h/2h/3h/4h/OFF
	Speed Stamp	ON/OFF
	GPS Stamp	ON/OFF
	Speed Units	KMH/MPH
	GPS Info	Display GPS signal strength

Icon	Function	Option/Description
	Rear Cam Flip	Vertical Flip Your Rear View *Need to connect rear camera
	Mirror Flip	Horizontal Flip Your Front View *Need to connect rear camera
	APP	A QR Code for Magic Cam app
	Wi-Fi	ON/OFF
	Language	Choose Your Prefered Language
	Time Format	12h/24h
	Date / Time	Update With GPS
	Time Zone	Choose Your Time Zone
	DST	Daylight Saving Time ON/OFF
	Frequency	60Hz/50Hz
	Click Tone	ON/OFF
	Screen Saver	OFF/10s/30s/2mins, Screen goes off after the set time

Icon	Function	Option/Description
	Parking Mode	Please connect the ACC hardwire kit
	Format Reminder	Reminder to Clear Data
	Format	Format SD card. All data will be deleted
	Card Speed	Card Speed Detection
	Default Setting	Reset All Settings
	Version	Software Version
	Help Center	Scan the QR code to contact us

Note:

- In order to a Clean, Smooth, Comfortable using experience, we suggest you format your Memory Card once a month.
- When you turn off Click Tone, the startup and shutdown sounds will also be turned off.

APP and Wi-Fi Function

• How to connect Wi-Fi?

1. Download the APP

You can download the APP from:

-- Official website: https://trymagicbox.com/

-- You may also use your smartphone to scan the QR Code from your Magic Cam or on the right side.

-- Apple APP Store or Google Play Store search "Magic Cam".

APP Download

2. Turn on the Wi-Fi on the dash cam, the Wi-Fi and SSID and password will appear on the screen.

3. Open The Magic Cam™ APP > jump to the Wi-Fi connection interface according to the steps > find the Wi-Fi of the Magic Cam > enter the password to connect.
(the default password is 12345678)

4. After successfully connecting to Wi-Fi, return to the APP to use it.

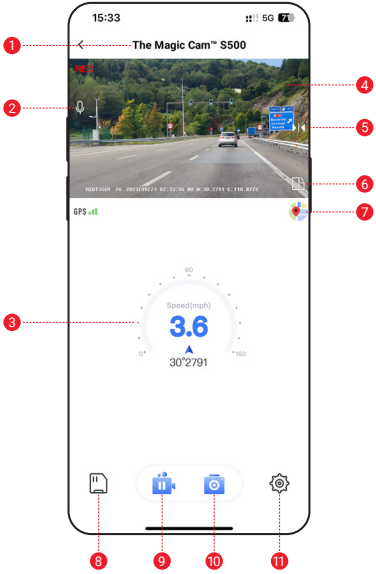
• View/Download/Delete/Share Video

1. Click the icon on the main interface to view video and picture files.

2. Long press the video file and select it, then choose to download or delete.

3. Return to the APP home page and select the Album > Open and watch/share it.

• App home



1. Native Wi-Fi Name
2. Turn on/off recorded sound
3. GPS information
4. Video play window
5. Mirror Flip
6. Rotate the video screen left and right
7. Map
8. Dash cam file
9. Pause/start recording
10. Take pictures
11. Dash cam settings

• OTA (Over the air) Update

Note: Please update The Magic Cam™ APP to the latest version to use this function.

1. Disconnect the mobile phone and The Magic Cam™ Wi-Fi. Connect the phone to lan for 5 seconds, then disconnect. Finally, connect the dash cam Wi-Fi.

2. Once Wi-Fi connection is successful, open The Magic Cam™ APP to startusing it. If new software is detected, the APP page will indicate the availability of an update.

3. To upgrade, cick on "Upgrade Now". The Magic Cam™ APP will prompt you to download the upgrade package.

Please note that the actual firmware should prevail over the upgrade package.

4. Connect The Magic Cam™ to send the upgrade package. Do not power off the dash cam during the upgrade process.

Once the upgrade is completed, the APP will display the upgrade success message, and The Magic Cam™ will automatically restart.

How to Play Video on Computer

We recommend using The Magic Cam™ Player as the right video Player to watch/play Videos. It can also view Google Maps.

You can Download it for free on Mac or Windows from the following link:

You can choose different playback modes in Settings > video playback mode. And you can set playback speed, language, map and other functions.

1 Video play window (Front)

2 Map and track display

3 Play control panel

4 Speed and driving state indication

5 Play list

Note:
When you find the desired video file, hold down the left mouse button and drag and drop it onto the video player to play it.

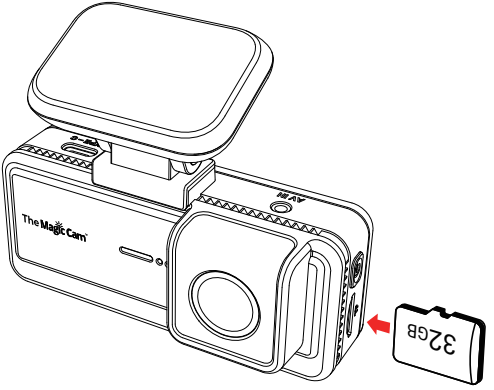
Installation

⚠ WARNING

Please make sure to connect all cameras and wires before power on the cam screen, otherwise, the camera cannot work properly. Please follow the instructions below for the first-time installation of the The Magic Cam™.

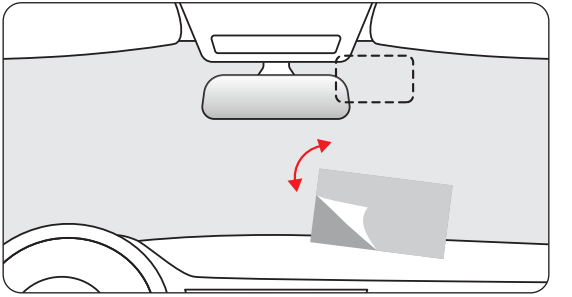
• Insert Memory Card

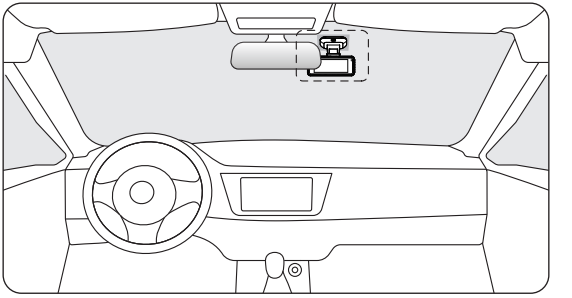
Insert the Memory Card into The Magic Cam™, taking care that the gold contacts are facing towards the screen of The Magic Cam™. Push the memory card until it clicks into the slot.



• Front camera installation

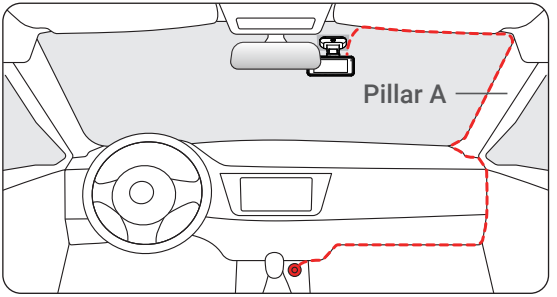
Peel off the electrostatic sticker on the cellophane and transfer it to where you want to stick it. Attach the front camera to the electrostatic sticker and press to make it firmer.





• Wire Layout In The Vehicle

1. The car charger is connected to the cigar socket.
2. Connect the other end of the car charger to the MagicCam.
3. Use the crowbar to run the power cable along the front windshield and the roof, and hide the cable down the A-pillar, so as not to block the driver's sight and cause danger.



Trouble Shooting

• Why is there no GPS signal?

1. Clean and reconnect the probe on the main unit and bracket. Check for any interference in your car, like metal film on the windshield, radio antenna, or radar detector.
2. Move your car to an open area.
3. If the GPS icon is , it means the GPS signal is good.

   If the GPS icon is , it means that the GPS signal is being received. If the GPS icon is , it means there is no GPS signal.

• How to turn off the on/off music of MagicCam?

1. Click the system sound icon on the screen to turn off the camera sound.
2. Please go to Settings > Click Tone > Off.
   When the click tone is turned off, the power on and off music will also be turned off.

• Why does my MagicCam prompt card error or please format Memory Card every once in a while?

Please follow the steps below to check:

1. Please go to Settings > Format Reminder to check whether the regular format reminder is enabled.
2. Format the Memory Card.
3. Restore factory settings and restart The Magic Cam™.
4. Update the firmware.

• MagicCam repeated restart/no boot?

1. Make sure you are using the original car charger.
2. Unplug the Memory Card and car charger in turn, and reinstall them. Check whether the short circuit is caused

by accessories.

3. Reset the machine through the small hole at the bottom of the driving recorder.
4. If none of the above can solve the problem, please try to power on the USB cable to confirm whether the host can be used normally.
5. Please go to the official website to update the firmware.
6. If it is not resolved, please contact your dedicated customer service for a replacement.

- **Why "Mass storage" appears on the screen?**

"Mass storage" happens when you use a USB cable with data transfer mode causing the dash cam to enter transfer mode. In this mode, data can only be transferred; no other functions work. For best results, use the original car charger or a USB cable without data transfer mode.

- **Why can't I connect to Wi-Fi?**

1. Check the working distance of Wi-Fi, about 15ft.
2. Check the SSID and password of the Wi-Fi, or whether there are other devices connected to the Wi-Fi.
3. Turn off mobile data, security software, and VPN on your phone.
4. If the issue persists, please contact customer support for assistance.

- **Why is the time setting incorrect?**

The Magic Cam™ features built-in GPS. It automatically adjusts time based on your location and time zone, eliminating the need for manual time changes. And you can adjust the time through Settings > Time Zone/DST.

Customer Service Center

If you have any issues using or installing The Magic Cam™, please contact us with any questions.

Help Center

Customer Service

The Magic Cam S500

For more information:

hello@themagicbrand.co
+1 619 618 0901 (US)
https://trymagicbox.com/

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
RF Exposure Statement To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

ISED Canada Statement:

This device contains licence-exempt transmitter(s)/receiver(s)/ that comply with Innovation Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
1) this device may not cause interference and
2) this device must accept any interference, including interference that may cause undesired operation of the device.
Radiation Exposure: This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment; To maintain compliance with IC's RF Exposure guidelines, This equipment should be. installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.
Déclaration de l'ISED Canada :
Cet appareil contient des tasmittre (s) / récepteur (s) sans licence / conformes à l'innovationRSS exemptes de licence de Sciences et Développement économique Canada. L'opération est sous réserve des deux conditions suivantes :
1) cet appareil ne peut pas causer d'interférences et
2) cet dispositif doit accepter toute interférence, y compris peut provoquer le fonctionnement indésirable de l'appareil.
Exposition aux rayonnements : Cet équipement est conforme aux radiations du Canada limites d'exposition pour un environnement incontrôlé noncé d'exposition RF Pour maintenir le respect des guides d'exposition RF d'IC, cquipment doit être.installé et actionné avec une distance minimale de 20cm le radiateur de votre corps. Cet appareil et ses antennes ne doivent pas être co-localisé ou en opération en conjonction avec toute autre antenne ou émetteur.

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https://trymagicbox.com/

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