User Manual

V620

service@lingdu.us

Response in just 12 hours

Product	Dashcam
Manufacturer	Dongguan Lingdu Electronic Technology Co. Ltd
Address	1 Longcheng Street, Qingxi Town, Dongguan City, Guangdong Province, China
Product Warranty	One-Year Limited Warranty
Customer Suppor	service@lingdu.us

FCC ID: 2BEAP-V620

LINGDU

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1. Customer Service

Defective or damaged item?
Inaccurate description?
Missing parts or accesso-ries?
Performance or quality not adequate?
Wrong item was sent?

service@lingdu.us
Response in just 12 hours

Contact us before returning the item.
We will help you resolve any issue asap.

Note:

1. A 64GB microSD card is provided with the LINGDU dashcam when you purchase the product. Be sure to format your microSD card with your dash cam for the first time use. Formatting the microSD card may take around 10-30 seconds.
2. Please ALWAYS connect with power when using. As it is built in Super Capacitor (Only has a 1mAh Lithium Metal Battery used to memorize time).

2. In The Box

Check the box for each of the following items before installing the dash cam.

Dash camera ×1

Rear camera (6M/20ft)×1

Electrostatic films x2

Type-C car charger with 3.5m/12ft cable ×1

Type-C USB Power cable (3.5M/12ft)×1

Storage card x1

Cable clips ×5
Pry tool ×1

User manual ×1

Note:

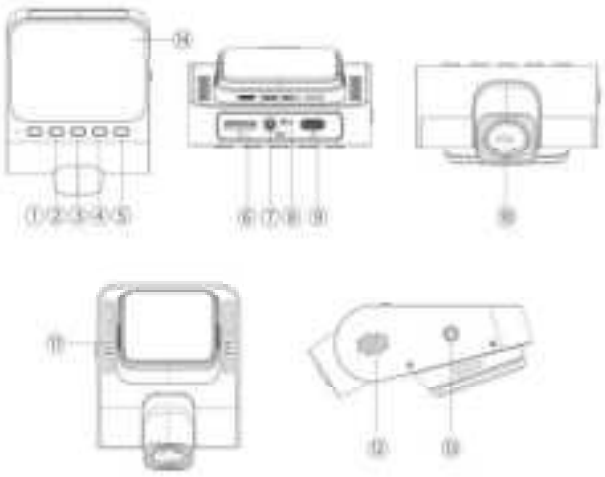
1. To improve the performance of the product, the contents of this manual are subject to change without prior notice.

3.Specification

Model	V620
Aperture	F=1.8
Color	Black
Language	English / 日本語 / Deutsch / Français / Español / Italiano / Русский
Memory Card	Max support 128GB (U3 Speed, only one 64GB microSD in the dash cam)
Video Code	H.264 / H.265
Photo Format	JPG
Video Format	MP4
LCD Size	2.4 inch IPS screen
Video Resolution	Front: -4K/3840x2160@30FPS(Default) -2K/2560*1440@60FPS -2K/2560x1440@30FPS -1920x1080@60FPS -1920*1080@30FPS

Video Resolution	Front + Rear: -4K/3840*2160 25FPS+1920*1080 25FPS, support ADAS -2560*1440 60FPS+1920*1080 30FPS, not support ADAS -2560*1440 30FPS+1920*1080 30FPS+HDR, not support ADAS -2560*1440 30FPS+1920*1080 30FPS(Default), support ADAS -1920*1080 30FPS+1920*1080 30FPS, support ADAS
GPS Track	Built-in LINCDU GPS Player
WiFi	Built-in Wi-Fi 6
Battery	Built-in Super Capacitor
Power Interface	5V/2.5A
Operation Temperature	-20℃ to 70℃ (-4℉ to 158℉)

4. Product Diagram



① Menu/Mode	② Up	③ Lock/WiFi
④ Down	⑤ OK/Confirm	⑥ TF Card Slot
⑦ Rear Camera Port(AV/IN)	⑧ Reset	⑨ Charging Port
⑩ Lens	⑪ Ventilation Hole	⑫ Speaker
⑬ Power button	⑭ IPS Screen	

Button	Operation and Function
▲	Menu setting interface: short press UP to select Playback mode: short press UP to select Recording mode: short press UP to turn on/off the recording function, long press to switch between front, back, and picture-in-picture modes
▼	Menu setting interface: short press DOWN to select Playback mode: short press DOWN to select Recording mode: short press DOWN to turn off/on the screen
OK	Recording mode: short press OK button to start/stop recording Setting, Playback mode: short press OK button to execute confirmation function
M	During recording: short press to enter the menu setting interface, short press again to exit the menu Playback mode: short press to select file playback, file deletion, and file lock functions Switch modes: long press to switch recording mode and playback mode
⚠	During recording: short press to lock the current video. During playback: short press to return to the nine-grid thumbnail interface. During recording or non-recording: long press to turn on WiFi/after successful connection, long press to turn off WiFi.
⏻	Turn off: short press the power button to power on (connected to an external power source) Turn on: long press the power button for 3 seconds to power off Take Photo: when the dash cam is recording, press the button once to capture a photo

5. Getting Started

The camera is designed to power up and record automatically when it receives power. Then saves the video record and turns off automatically when the car shuts off.

1. Auto Power ON/OFF:

Plug car charger to cigarette lighter socket. When the car engine is on, dash cam will turn ON and start recording automatically. When the car key is turned to LOCK position, dash cam automatically saves the recording and turns OFF.

2. Manual Power ON/OFF

Manually Turn ON: Press the power button once.Manually Turn OFF: Press and hold the power button for at least 2 seconds.

Note:

1. A 64GB microSD card is provided with the LINGDU dashcam when you purchase the product. Be sure to format your microSD card with your dash cam for the first time use.
2. Please ALWAYS connect with power when using. As it is built in Super Capacitor (Only has a 1mAh Lithium Metal Battery used to memorize time).
3. Setting Date & Time: Please calibrate the date/time based on your location under the TIME ZONE SETTING by going to APP system settings menu, please refer to page EN-32.

4. Some trucks/cars's 12V cigarette outlet is always HOT, which means it provides constant power even when the car is turned off and locked. If this is the case for your vehicle, then the auto

ON/OFF feature will not work. And if you leave the camera continuously recording when the car is turned off, then it will drain your car/truck's battery and you might not have enough power to start your car for next time. To remedy this situation,you can do one of the two options:

①Hardwire your dash cam to your car's fuse box with 3-Lead Auto Trigger Hardwire Kit.

②Change the connection in the fuse box for your 12V outlet to socket which only supplies power when car key is turned to ACC or ON position.

6. Installation

Install the front camera behind the rear view mirror. Install the rear camera at the top of the back windshield. Remove any foreign matter and clean and dry the windshield before installation.

1. Turn off the engine, gently push the card into the slot until it locks into place.(Please using class 10 or above high-speed U3 micro-SD card)

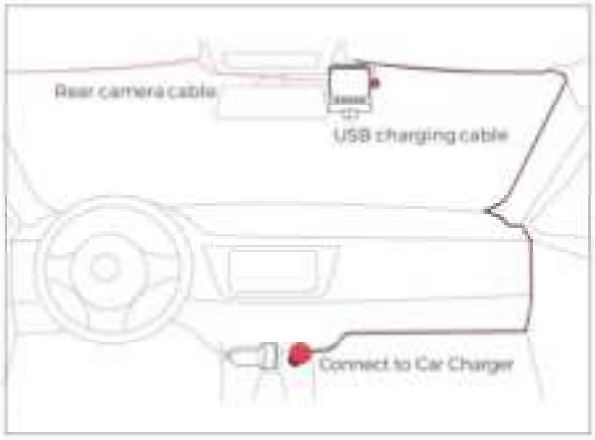
2. Find a suitable place on windshield where don't obstruct the driver's field of vision and remove any foreign matter and clean and dry the windshield before installation.Tear off the protective layer of the electrostatic sticker and adhere the electrostatic sticker to the windshield to prevent mark/glue on your windshield after removing it.

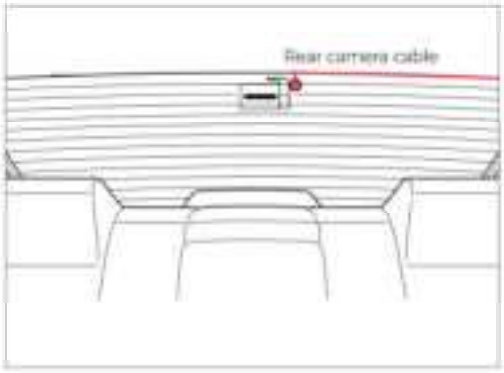
3. Peel off the protective film from the double-sided tape and attach the front camera to the electrostatic sticker.Adjust the angle of the lens by adjusting the bracket of the front camera.

4. Peel off the protective film from the double-sided tape and attach the rear camera to the rear windshield. Adjust the angle of the lens by rotating the body of the rear camera, connect the front camera and the rear camera.

5. Use the pry tool to lift the edges of the rubber window sealing and molding and tuck in the rear camera connection cable.

6. Plug the cigarette lighter power cable into the cigarette lighter socket and the front camera.Use the pry tool to lift the edges of the windshield trim/molding and tuck in the power cord.





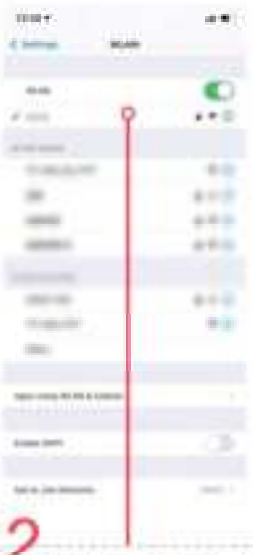
7. Turn on the engine. The dashcam will power up and start recording. Video files are stored on the microSD card. Turn off the engine. The dashcam will automatically stop recording and power down.

7. Playing Video Files Using Your Smartphone

8.1 Check real-time video using your smartphone

Scan QR code to download LINGDU APP

1 Search for the LINGDU app in the Google Play Store or Apple App Store and install it on your smartphone.

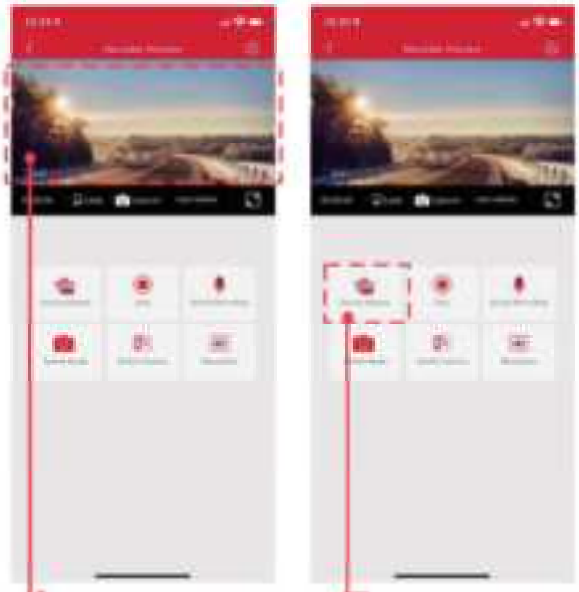


2 Go to Phone's Settings > WiFi > Select WiFi of the dash cam. After it's connected to the WiFi, it will say 'No Internet Connection' which was normal. Because dash cam WiFi is ONLY for video/photo transfer function. NOT made to broadcast footage over the cloud or internet, please ignore the prompt.

WiFi Name SSID: LINGDU-V620_******

Default PASSWORD: 12345678

3 There will show dash cam model V620 when connect successfully. Press "Check Real-time Video" to live video preview interface.



4 Now you can view the video currently being recorded real-time by connecting your smartphone to the dashcam via Wi-Fi Direct.

5 Please STOP recording first, then press the 'Device Album' to get Photo, Video, Emergency files.

8.2 Download the video files into your smartphone

1 Go to Dashcam Preview interface. Please STOP recording first, then press the 'Device Album' to get Photo, Video, Emergency files.

2 Select the video files to download into your smart phone.

3 Press the icon to download the video files.However, it will take a bit of time to download one video file.

4 Then you can find these downloaded video files in APP original interface menu named 'Local Video'.

The app won't show the live video on your phone. It only shows a picture of the beach?

The cellular data will cause the live video not to be viewed. If the APP won't show the live video, please disable the 'LINGDU' cellular data of your phone. Sure that the Local Network of the 'LINGDU' is turned on.

1. For Latest iOS System: Setting →LINGDU →Click 'Wireless Data' →Select 'WLAN'.

2. For Older iOS System: Setting →LINGDU →Disable the 'Cellular Data'.

Note:

1. WiFi Direct lets you directly connect your smartphone to your dash cam via WiFi within a range of 10FT.

2. Once it is connected to the LINCDU APP it will automatically update the date/time.

3. The LINCDU is available for devices running Android 5.0 and higher, or iOS 9.0 and higher.

What is a WiFi Feature?

The WiFi feature has been designed so you can pair your dash camera wirelessly with your smartphone and access your recording instantly from the dash cam. Here you can view, download and share your videos easily with your friends and family. Just like how you would connect your Bluetooth speaker to your smartphone for wireless music play, the same way dash cameras use WiFi signal (instead of a Bluetooth) to pair your smartphone with LINCDU V620.

Can I watch the videos around my car remotely?

NO. LINCDU V620 dash cam is NOT made to broadcast footage over the cloud or internet. It is NOT a cloud or an IP camera and it is NOT meant to do that. You can get live video and footage on LINCDU dash cam's APP as long as you stay within the 10FT range from the dashcam.

What is the WiFi Range?

The WiFi signal range is about 10FT when there are NO obstructions in the middle. Please NOTE that just like your home WiFi network, you don't have WiFi signal outside your home, the same way, WiFi range is 10FT from this small device.

For Android phones:

When installing the LINCDU APP, it will have two pop-up prompts, select 'While using the APP' to allow LINCDU to access this device's location, and select 'Allow' to allow LINCDU to access photos and media on your device.There is one extra step you will have to take for the first time. Once you connect to the WiFi of V620, it will say 'No Internet'. Which is fine. Wait about 10-15 seconds until you see the below pop up or notification. You just have to tap on the pop up notification that will show up in few seconds to select that you still want to stay connected even though there is NO Internet. Once you select this OK, you are set to go.

iPhone:

If you get this pop up for your iPhone while using WiFi feature, make sure to tap on 'Keep Trying WiFi'. Otherwise the camera will get disconnected from the WiFi and then you will have to forget the LINGDU WiFi and then start to pair again to make it work again.

8. Video Settings

Video Resolution

Allow to choose the desired video resolution and fps(frames per second). Higher resolution and fps videos result in smoother videos, but also take more storage space.

Front:

3840*2160 30FPS (default)

2560*1440 60FPS

2560*1440 30FPS

1920*1080 60FPS

1920*1080 30FPS

Front + Rear

3840*2160 25FPS+1920*1080 25FPS, support ADAS

2560*1440 60FPS+1920*1080 30FPS, do not support ADAS

2560*1440 30FPS+1920*1080 30FPS+HDR, do not support ADAS

2560*1440 30FPS+1920*1080 30FPS (default), support ADAS

1920*1080 30FPS+1920*1080 30FPS, support ADAS

Loop Recording – Off/ 1mins(Default)/ 2mins/ 3mins

On: Here select the length(1/2/ 3 min) of each video clip for the loop recording. This function allows the dashcam to continuously record. Please notice: the dashcam will keep deleting the oldest files automatically when memory card gets full so that it can keep recording over and over.Off: This dash cam will capture video in segments up to 5 minutes in length. Once the memory card is full, it will stop recording video.

WDR – On(Default)/ Off

Wide Dynamic Range (WDR) processes images to ensure clear recordings in bright and dark light. This allows the Dash Cam to combine multiple images at different levels of brightness to create one superior image.

Exposure – -2.0/ -1.7/-1.3/-1.0/-0.7/-0.3/ 0.0 Auto(Default)/ +0.3/+0.7/+1.0/ +1.3/+1.7/+2.0

To adjust video exposure setting for either brighter or darker video according to your preference.

Time Lapse record – Off(Default)/ 4-img/second /2-img/second /1-img/second /1-img/2-sec

On: The dashcam can sustain longer operational period while reducing video file size. Video files will be played at high-speed when playback.
1-img/second: 1-minute Time lapse video = 30 minutes real time coverage. Video files will be played at high-speed when playback.

Record Audio – On(Default)/Off

On: The video has sounds.
Off: The video is silent.

Stamp – Off/On(Default)

Turn On/Off the Date/Time / Speed / GPS Coordinates / LINGDU Logo Stamp shown on recorded files.

Video Recording G-Sensor – 0-OFF、1-LOW Impact Detect、2、3、4、5-Medium Impact Detect(Default)、6、7、8、9-High Impact Detect

Off: Disables impact detection for event recording.
1 (Low Impact Detection): Triggers event recording for low impact incidents.
5 (Medium Impact Detection) (Default): Triggers event recording for medium impact incidents. This is the standard setting to balance sensitivity and practicality.
9 (High Impact Detection): Triggers event recording only for high impact incidents, reducing the chances of recording due to minor movements.

Parking Mode G-Sensor – 0-OFF、1-LOW Impact Detect、2、3、4、5-Medium Impact Detect(Default)、6、7、8、9-High Impact Detect

Off: Deactivates impact detection during Parking Mode.
1 (Low Impact Detection): Engages recording for low impact hits while parked.
5 (Medium Impact Detection) (Default): Captures events for medium impacts in Parking Mode, ideal for most situations.
9 (High Impact Detection): Sets the threshold for event capture to high impacts, avoiding unnecessary recordings from trivial disturbances.

Adjusting the Sensitivity:

You have the flexibility to adjust the G-sensor sensitivity. This ensures that only meaningful incidents are captured and stored, while ignoring insignificant jolts and vibrations. The default setting offers a balance that works well in most conditions. To completely disable event recording by impact while driving or parked, set the G-sensor sensitivity to 'Off'.

The G-sensor is a critical component in your dash cam that detects and measures movement along three axes: vertical (up-down), lateral (side-to-side), and longitudinal (front-back). It serves the purpose of identifying significant movements or impacts, such as those from collisions, prompting the dash cam to initiate event recording.

Parking Mode— On/Off(Default)

Functionality: This mode is specifically designed to activate when the camera detects movement, such as in a hit-and-run scenario, while the car is parked. If a collision causes your vehicle to shake, which is sensed by the G-sensor according to its settings, the camera will power on automatically. It will then commence recording for one minute.
The recorded footage is securely saved and protected from being overwritten by the loop recording feature. After saving the video, the camera will shut down on its own.
Alert: Upon starting your car after the incident, the camera will provide an audio notification: "Parking mode was activated while you were away." If you receive this alert, it indicates that the parking mode was triggered, and you should review the saved footage to understand what occurred.
Recommendation: For optimal use of the parking mode feature,it is advised to use the LINCDU JYX05 hardwire kit.

24HAutoParkingMode--Off(Default)/Time-Lapse1fps &G-Sensor/Motion-Detection&G-Sensor/AUTO Turn off &G-Sensor

When using a car charger to power this menu, the setting cannot be successful. A pop-up window will pop up saying "this feature will NOT work unless you install the recommended 3-lead Hardwire kit, is the 3-Hardwire

kit connected?". Select "YES" and another pop-up window will pop up saying "Hardwire kit NOT Detected, please connect the 3-lead hardwire kit." Select "YES" and return to the previous menu.
"The 24HR Auto Parking Mode offers peace of mind by safe guarding your vehicle when it's parked. To enable this feature, the LINCDU JYX05 3-Lead Hardwire Kit (not included, sold separately) is necessary."

Time-Lapse 1fps & G-Sensor:

With the feature ON and the Hardwire Kit installed: Turning off the car's engine triggers the camera to stop regular recording and switch to 1fps time-lapse mode. If a hit-and-run impact is detected, the camera exits time-lapse mode, records a continuous one-minute video, saves it to the Event folder, and then resumes time-lapse recording.
Note:
Upon returning to your car, a voice alert will inform you if Parking Mode was activated. Check the locked videos to see any incidents.

Motion Detection & G-Sensor:

With the feature ON and the Hardwire Kit installed: Turning off the car's engine activates motion detection mode; the camera remains idle with the LCD off. The camera records videos when motion is detected and stops when no motion is present. If a hit-and-run impact is detected, the camera records a continuous one-minute video, saves it to the Event folder, and then reverts to motion detection mode.

Note:
A voice alert will notify you if Parking Mode was activated once you start your car. When you start your vehicle again, the camera automatically exits either mode and resumes normal recording. This intelligent feature ensures you never miss important incidents that occur when you're away from your car.

AUTO Turn Off & G-sensor:

1. When you turn OFF the car's engine and turn the key to the lock position. Then the camera will STOP the continuous video recording and it will go into the impact detection mode and the camera will turn OFF.

2. Now while the camera stays in impact detection mode, if someone hits your car and if the impact reaches the set G-Sensor level, then the camera will turne ON + then it will start to record 1-min continuous video, save & lock that video in EMR folder> then the camera will turn OFF.
3. Now when you start your car for the next time, the camera will automatically go back into normal video mode automatically to start the continuous video recording.

Hide Status Icons - OFF (Default)/1-minute/3-minutes /5-minutes

Maximize your visual experience with the Clear View function. This feature temporarily removes all status icons from your LCD screen, providing a clean, full-screen image of the camera's view.
Off (Default): Icons are displayed continuously.
1-minute: Icons will be hidden after one minute.
3-minutes: Icons will be hidden after three minutes.
5-minutes: Icons will be hidden after five minutes.

Speed Unit – KM/ H/ MPH(Default)

Please select your preference of speed unit.

Live speed – On(Default)/ Off

This option allow you to utilize the live speed view on the LCD.

Rotate Front Video – On/ Off(Default)

Off: The front camera captures video in the standard orientation.
On: Invert the front camera's video feed, useful if the camera is mounted in an unconventional position.

Rotate Rear Video – On/ Off(Default)

Off: The rear camera records in the standard orientation.
On: Flip the rear camera's video feed vertically, accommodating unique mounting setups.

Mirror Rear Video – On(Default)/ Off

On: The rear camera's footage is mirrored horizontally, simulating the view from a rearview mirror.
Off: Disables the mirroring effect for a direct view from the rear camera.

9. SYSTEM SETTING

ADAS Intelligent Driving Assistance – Off(Default), CA, FCW, SNG, LDWS

ADAS (Advanced Driver Assistance Systems) Intelligent Driving Assistance is a feature of dash cam that provides intelligent driving assistance to the driver. It uses advanced technologies such as computer vision, machine learning, and artificial intelligence to analyze road conditions and provide real-time warnings and alerts to the driver, helping to prevent accidents and improve driving safety. The ADAS features include Lane Departure Warning, Forward Collision Warning, Front Vehicle Start-up Warning, and Pedestrian Collision Warning. Please note that the pedestrian collision warning function only applies to the 90° field of view of the front camera.
For ADAS calibration steps, please refer to page 39 of this manual.

Voice Control – On(Default)/ Off

ONLY support English Voice Command
Turn on wifi / Turn off wifi
Take picture / Lock the video
Turn on audio / Turn off audio
Turn on screen / Turn off screen
Show front camera / Show rear camera

WiFi – On/ Off(Default)

On: The screen will display the name: LINCDU-V620_*****and its password: 12345678.
Please keep your phone close to the dashcam (within 3m) when using WiFi, you could control the dashcam and check the real-time video by LINCDU APP on your phone. When enabled the dashcam won't response to your operation by pressing the buttons. To exit the WiFi Mode, please press and hold the middle Emergency buttons.

Date/ Time

Press [M] button to shift and press [UP] [DOWN] button to enter your time, then select [OK] button to confirm.

Date Format - yyyy/ mm/ dd, mm/ dd/ yyyy(Default), dd/ mm/ yyyy

According to your habit to select.

Clock Format - 24 Hours / 12 Hours(Default)

Adjust the time display format on your dash cam to match your preference.
24 Hours: This format displays the time from 00:00 to 23:59, commonly used in military time and globally across various regions.
12 Hours: This option shows the time with AM and PM indicators, cycling from 12:00 AM to 11:59 PM.

Screen Saver Settings

Live Video Always On(Default): The screen will always show the recording image.
Screen Saver ON After 1-Min: The screen will ONLY show the time/live speed if no operation for 1 min.
LCD OFF After 1-Min: The screen will go black if no operation for 1-min, but still recording.

Beep Sound – On(Default)/ Off

To switch on/ off or adjust the key tone.

Speaker Volume - Low / Medium(Default) / High

It is a tool that helps you control the volume of playback audio. It directly adjusts the loudness of the sound that the video is currently outputting.

Boot Up Tone – On(Default)/ Off

Control the audio confirmation when your dash cam powers on.
On: The device will emit a tone upon starting up, providing an auditory indication that the camera is operational.
Off: Disables the startup sound for a silent boot-up.

Voice Guidance– On(Default)/ Off

Tailor your dash cam's interactive experience with the Voice Guidance feature.
On: With this setting enabled, your dash cam will provide spoken alerts and status updates.
Off: Turn off this option to disable voice notifications for a quieter ride.

Language – English(Default) / etc

English, French, Spanish, Portuguese, German, Italian, Simplified Chinese, Traditional Chinese, Japanese, Russian, etc. Allow to choose your desired language for dashcam system.

Frequency – 50HZ/ 60HZ(Default)

To avoid the formation of bands while shooting videos under an electrical light source, please follow the suggestions.
50HZ-In the UK, Africa, Australia, most of Asia and Russia
60HZ-North America, and a few other countries (Japan uses both)

License Plate – Car License Plate

Allow to definite your license plate, press Up/ Down button to choose letter/number, then press
[M] button to confirm. Finally press [OK] button to save it.

GPS Info

To check the satellite Number/ Speed/ Direction/ Time/ Longitude/ Latitude.

GPS Format– Decimal Degrees / Degrees, Minutes, Seconds(Default)

Your dash cam's GPS data can be displayed in two different formats to align with your preferred geographic data needs.

GPS Time Zone Setting – UTC/ GMT+1 to UTC/ GMT+12 & UTC/ GMT-1 to UTC/ GMT-12, Default GMT-7

The GPS Time Zone setting ensures that the timestamps on your recordings reflect your local time.
Available Settings: Ranges from UTC/ GMT+1 to UTC/ GMT+12 for areas ahead of, and from UTC/ GMT-1 to UTC/ GMT-12 for areas behind, the Coordinated Universal Time (UTC).
Default Setting: GMT-7

To Set Your Local Time Zone:
Access the 'Time Zone' option within the GPS or time settings of your dash cam.Choose the correct time zone offset based on your geographic location. Press 'OK' to confirm your selection.

Please Note:
Set your local time zone before adjusting the date and time features.
The time zone will not update automatically to account for daylight saving changes. You must adjust this manually when daylight saving starts or ends.
By accurately setting your time zone, you ensure that your dash cam's time and date stamps correspond appropriately with your local time, which is especially important for accurate record-keeping.

Storage Space – Total/ Free/ Event/ Normal / Photo

To check the usage of memory card, please format the memory card regularly to ensure that there is enough available space inside.
Default Setting: GMT-7

Format – Cancel/ Format

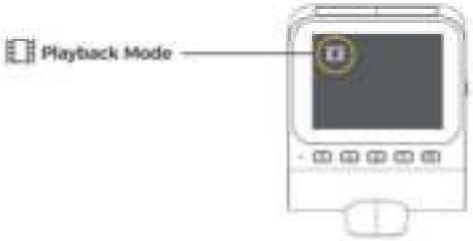
Allow to format the inserted memory card, all data will be deleted. Please format the memory card in the dashcam before its first time use in the dashcam.

Default Setting – Cancel/ OK

Allow to restore all settings to factory default settings.

Firmware Version

To check the current firmware in the dashcam. You'll need this necessary information to check if newer version firmware is available to update. Please visit: www.lingdu.us for the latest firmware.

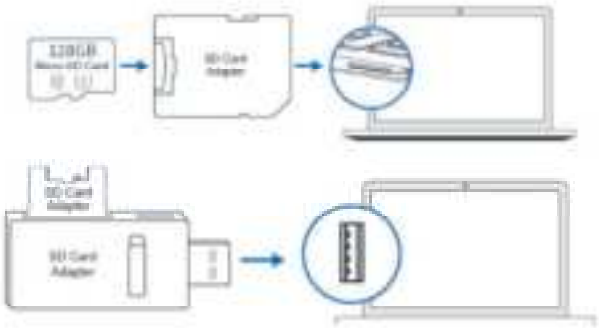


Delete	Delete Current(Default)/ Delete All
Protect	Lock Current(Default) /Unlock Current/Lock All/Unlock Al
Slide Show	2 Seconds(Default) / 5 Seconds/ 8 Seconds

10. Playing Video Files Using Your Computer

1. Remove the microSD card from the dashcam.

2. Insert the card into a microSD card reader and connect it to your computer.



3. Download UNGDU GPS Player from www.ilingdu.us > Support > Downloads and install it on your computer.

4. Install the UNGDU GPS Player on your computer. (Note: Please close or ignore the prompt of the anti-virus software, we confirm that it will not bring any security impact to your computer.)

5. You can click the 'Open Files' button to browse and select the Movie or Lock folder of the microSD card on the UNGDU GPS Player. It will show all files in the Video or Event or Photo folder. Or you can also drag the video files directly to the launcher screen.

6. There are two ways to play video.

A. Click File-Open icon to choose the folder which you want to play, click to start play. (Note that you can ONLY select one folder to play and see no video files)

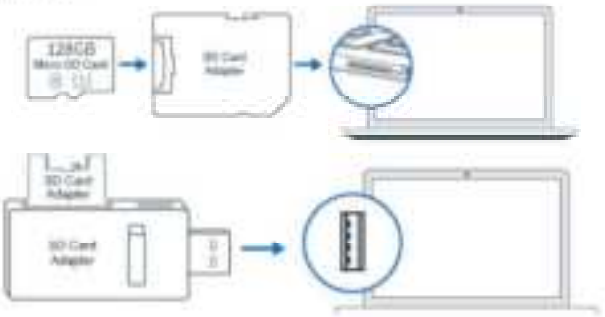
B. Select from 'My Computer' and find the memory card disk, choose the video file you want to play, you can drag and drop the file directly to the player. You can get the GPS information on the player.

11. Firmware Update

1. Format your microSD card with your dash cam at first. Formatting the TF card may take around 10-30 seconds.

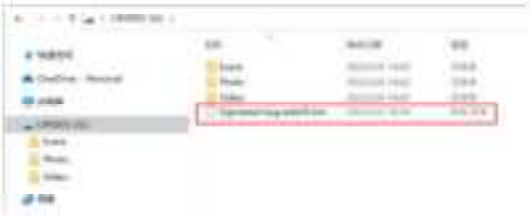
2. Remove the microSD card from the dashcam.

3. Insert the card into the microSD card reader and connect it to a computer.



4. Download the latest V620 Firmware from www.lingdu.us > Support > Downloads on your computer.

5. Unzip the downloaded firmware (Zip file) and copy the firmware file 'SigmastarUpgradeSD.bin' to the root directory of microSD card.



6. Connect the camera to the car charger to start the firmware update process. You should see the upgrade progress bar and red light will be solid which means your V620 dash camera is updating the new firmware.

Please NOTE:

The firmware update may take up to about 1mins. So please be patient. Make sure the POWER does NOT get disconnected while the firmware is being updated. Once the firmware is updated, the camera will turn ON automatically. Format your microSD card with your dash cam again.

7. You check the latest firmware version by going into the menu > Firmware Version.

12. ADAS Intelligent Driving Assistance Calibration

The ADAS features include Lane Departure Warning,
Forward Collision Warning, Front Vehicle Start-up Warning, and Pedestrian Collision Warning.


ADAS Calibration Procedure

1. Install the device according to the "Installation Guide" in the manual. It is recommended to install it in the suggested location.
2. Adjust the angle of the dashcam.
3. Press the function key twice in quick succession to activate ADAS.
4. When the calibration conditions are met, the dashcam will give a voice prompt: Calibration of driving assistance begins.
5. When the calibration is successful, the dashcam will give a voice prompt: Driving assistance calibration successful.

Calibration Start Conditions

Both of the following conditions must be met:
1. Road conditions: Clear road lines on both sides of the vehicle ahead, with partial vehicle front recognition.
2. Vehicle speed: Dashboard speed of 35 km/h (20 MPH) or above.
Note: If road conditions and speed are not met simultaneously, the dashcam will not give a voice prompt to start calibration.

Calibration Success Conditions

1. When road conditions and vehicle speed are met simultaneously and maintained for 5 minutes, the dashcam will prompt calibration successful.
2. If there is traffic congestion or poor road conditions, the calibration time will be extended.

Calibration Failure Conditions

If road conditions and vehicle speed are not met simultaneously, and the calibration time exceeds 30 minutes, the dashcam will give a voice prompt: Driving assistance calibration failed, please recalibrate according to the requirements.

Calibration Failure Procedure

Recalibrate according to the "Calibration Start Conditions" or adjust the installation position and angle of the dashcam before recalibrating.

Note:

Generally, the accuracy of ADAS functions can reach over 90%, but the actual accuracy may be affected by many factors such as weather, road conditions, surrounding environment, etc. Therefore, when using ADAS functions, it is still necessary to remain highly vigilant and constantly pay attention to the road conditions to ensure driving safety.
Please note that the pedestrian collision warning function only applies to the 90° field of view of the front camera.

13. FAQ

Q: Camera Does Not Turn ON?

1. Try Different Power Sources:
   - Use a different USB cable and your smartphone's USB charger.
   - Plug it into a 110V wall outlet at your home.
2. Check the Camera's Response:
   - Once plugged in, the camera should automatically turn on. If it doesn't, press the Power button once to see if that turns it on.
   - If there is still no response, try removing the memory card from the camera.
3. Use the Reset Function:
   - With the camera still plugged in, use a pen tip or paperclip to press the RESET button (located at the top) once.
   - The camera should now turn on. If it does not, reach out for support with the instruction to "please CONTACT US."

Q: Camera Displays "Memory Error" or "Please Insert Micro SD Card"?

1. Confirm Micro SD Card Specifications:
   - Ensure that the Micro SD card is at least Class 10, U3.
2. Reinstall the Micro SD Card:
   - Power off the camera and carefully remove the Micro SD card.
   - Check the card for any physical damage or dirt.
   - Reinsert the card firmly into the slot, ensuring it's properly seated.
3. Format the Micro SD Card:
   - If the card is *not* recognized, format the card in the camera if possible or use a computer.
   - Remember to back up any important data before formatting as this will erase all content on the card.
4. Firmware Check:
   - Make sure your camera has the latest firmware, as this can sometimes resolve compatibility issues with memory cards.

Note:

If these steps do not resolve the issue, there might be a problem with the Micro SD card itself, or the camera's card reader might be malfunctioning. In such cases, try a different Micro SD card or contact customer support for further assistance.

Q: Video is Fuzzy?
- Clean the Lens: Ensure the camera's lens and windshield are clean, free of dirt or grease.
- Check for Defects: If the lens appears to be out of focus and cleaning doesn't help, it could be a manufacturing defect. Contact support with a screenshot or sample video for assistance.

Q: Camera Gets HOT?
- Normal Operation: It's expected for the camera to feel hot to the touch. Operating temperature range is -20°C to +70°C. If it's excessively hot, discontinue use and contact support.

Q: Dashcam Turns On/Off Automatically?
- Reset and Update Firmware: Perform a reset on the dashcam and update the firmware. If the issue persists, reach out to customer support for further guidance.

Q: Date/Time Always Changes?
- Adjust Time Zone: Go to the camera's system settings and set the correct time zone. The date and time should automatically update when the GPS signal is acquired.

Q: Oldest Video Files Missing?
- Loop Recording Feature: Your AZDOME Dash Cam is designed with a Loop Recording function. When set to 1, 2, or 3-minute intervals, the camera automatically overwrites the oldest files with new ones once the memory card reaches full capacity. This ensures continuous recording without manual intervention.

Q: Video Playback Lagging on PC?
- High Bitrate Files: If playback is lagging, your PC might struggle with high-bitrate video. To fix this, record at a lower resolution to reduce the file size and bitrate for smoother playback.

14. Notice:

CE This product complies with the radio interface requireme-nts of the European Community.

This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate and recycling helps protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

FC 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

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

Index

1. Kundenservice

Defekter oder beschädigter Artikel?
Ungenaue Beschreibung?
Fehlende Teile oder Zubehör?
Leistung oder Qualität nicht ausreichend?
Falscher Artikel wurde gesendet?

service@lingdu.us
Antwort innerhalb von nur 12 Stunden

Kontaktieren Sie uns, bevor Sie den Artikel zurücksenden.Wir helfen Ihnen, jedes Problem so schnell wie möglich zu lösen.

Hinweis:

1. Eine 64GB microSD-Karte wird mit der LINGDU Dashcam geliefert, wenn Sie das Produkt kaufen. Stellen Sie sicher, dass Sie Ihre microSD-Karte mit Ihrer Dashcam beim ersten Gebrauch formatieren. Das Formatieren der microSD-Karte kann etwa 10-30 Sekunden dauern.
2. Bitte immer mit Strom verbinden, wenn Sie es verwenden. Da es einen Superkondensator eingebaut hat (nur eine 1mAh Lithium-Metall-Batterie zur Speicherung der Zeit verwendet wird).

2. Im Lieferumfang

Überprüfen Sie die Box auf jedes der folgenden Elemente, bevor Sie die Dashcam installieren.

Dash camera ×1

Rückkamera (BM20R)×1

Elektrostatische Folien x2

Type-C Auto-Ladegerät ×1

Type-C USB-Strom kabel (3.5M/12ft)×1

Speicherkarte x1

Kabelclips ×5 Hebewerkzeug ×1

Benutzerhandbuch ×1

Hinweis:

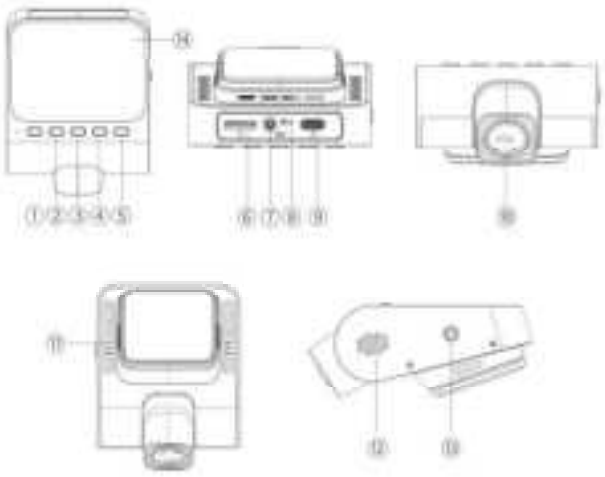
1. Um die Leistung des Produkts zu verbessern, können die Inhalte dieses Handbuchs ohne vorherige Ankündigung geändert werden.

3. Spezifikation

Model	V620
Blende	F=1.8
Farbe	Schwarz
Sprache	Englisch / 日本語 / Deutsch / Français / Español / Italiano / Русский
Speicherkarte	Maximal unterstützte 128GB (U3-Geschwindigkeit,nur eine 64GB microSD in der Dashcam)
Video-Code	H.264 / H.265
Fotoformat	JPG
Videoformat	MP4
LCD-Größe	2.4 Zoll IPS-Bildschirm
Auflösung-1440P +1080P(Standard)	Vorne -4K/3840x2160@30FPS(Standard) -2K/2560*1440@60FPS -2K/2560x1440@30FPS -1920x1080@60FPS -1920*1080@30FPS

Auflösung-1440P +1080P(Standard)	Vorne + Hinten -4K/3840*2160 25FPS+1920*1080 25FPS, unterstützt ADAS -2560*1440 60FPS+1920*1080 30FPS, nicht unterstützt ADAS -2560*1440 30FPS+1920*1080 30FPS+HDR, nicht unterstützt ADAS -2560*1440 30FPS+1920*1080 30FPS(Default), unterstützt ADAS -1920*1080 30FPS+1920*1080 30FPS, unterstützt ADAS
GPS-Tracking	Integrierter UNCDU GPS-Player
WiFi	Integriertes Wi-Fi 6
Batterie	Integrierter Superkondensator
Stromschnittstelle	5V/2.5A
Betriebstemperatur	-20°C bis 70°C (-4°F bis 158°F)

4. Produktdiagramm



① Menü/Modus ② Hoch ③ Sperren/WiFi
④ Runter ⑤ OK/Bestätigen ⑥ TF-Kartensteckplatz
⑦ Rückkamera-Anschluss (AV/IN) ⑧ Zurücksetzen ⑨ Ladeanschluss
⑩ Objektiv ⑪ Belüftungsöffnung ⑫ Lautsprecher
⑬ Einschalttaste ⑭ IPS-Bildschirm

Taste	Betrieb und Funktion
▲	Menüeinstellungsoberfläche: Kurzer Druck auf UP zur Auswahl Wiedergabemodus: Kurzer Druck auf UP zur Auswahl Aufnahmemodus: Kurzer Druck auf UP zum Ein-/Ausschalten der Aufzeichnungsfunktion, langer Druck zum Wechseln zwischen Front-, Rück- und Bild-in-Bild-Modi
▼	Menüeinstellungsoberfläche: Kurzer Druck auf DOWN zur Auswahl Wiedergabemodus: Kurzer Druck auf DOWN zur Auswahl Aufnahmemodus: Kurzer Druck auf DOWN zum Ein-/Ausschalten des Bildschirms
OK	Aufnahmemodus: Kurzer Druck auf die OK-Taste, um die Aufnahme zu starten/zu stoppen Einstellung, Wiedergabemodus: Kurzes Drücken der OK-Taste zur Bestätigung
M	Während der Aufnahme: Kurzer Druck, um die Menüeinstellungsoberfläche zu betreten, kurzer Druck erneut, um das Menü zu verlassen. Wiedergabemodus: Kurzer Druck, um die Funktionen Datei-Wiedergabe, Datei-Löschung und Datei-Sperrung auszuwählen. Modi wechseln: Langer Druck, um den Aufnahmemodus und Wiedergabemodus zu wechseln
⚠	Während der Aufnahme: Kurzer Druck, um das aktuelle Video zu sperren. Während der Wiedergabe: Kurzer Druck, um zum Neun-Raster-Daumennintarface zurückzukehren. Während der Aufnahme oder Nicht-Aufnahme: Langer Druck, um WiFi einzuschalten nach erfolgreicher Verbindung, langer Druck, um WiFi auszuschalten.
⏻	Ausschalten: Kurzer Druck auf den Einschaltknopf, um einzuschalten (angeschlossen an eine externe Stromquelle) Einschalten: Langer Druck auf den Einschaltknopf für 3 Sekunden, um auszuschalten. Foto aufnehmen: Wenn die Dashcam aufnimmt, drücken Sie die Taste einmal, um ein Foto zu machen.

5. Erste Schritte

Die Kamera ist so konzipiert, dass sie sich automatisch einschaltet und aufnimmt, wenn sie mit Strom versorgt wird. Dann speichert sie die Videoaufnahme und schaltet sich automatisch aus, wenn das Auto abgeschaltet wird.

1. Automatisches Ein-/Ausschalten:
Stecken Sie das Autoladegerät in die Zigarettenanzünderbuchse. Wenn der Motor des Fahrzeugs läuft, wird die Dashcam automatisch eingeschaltet und beginnt mit der Aufnahme. Wenn der Autoschlüssel in die Position LOCK gedreht wird, speichert die Dashcam automatisch die Aufnahme und schaltet sich aus.

2. Manuelles Ein-/Ausschalten

Manuell einschalten: Drücken Sie einmal den Einschaltknopf. Manuell ausschalten: Drücken und halten Sie den Einschaltknopf mindestens 2 Sekunden lang.

Hinweis:

1. Eine 64GB microSD-Karte wird mit der LINCDU Dashcam geliefert, wenn Sie das Produkt kaufen. Stellen Sie sicher, dass Sie Ihre microSDKarte beim ersten Gebrauch mit Ihrer Dashcam formatieren.
2. Bitte immer mit Strom verbinden, wenn Sie es verwenden. Da es einen Superkondensator eingebaut hat (nur eine 1mAh Lithium-Metall -Batterie zur Speicherung der Zeit verwendet wird).
3. Datum & Uhrzeit einstellen. Bitte kalibrieren Sie das Datum/die Uhrzeit basierend auf Ihrem Standort unter den GPS Time Zone Setting, indem Sie zum APP-Systemeinstellungsmenü gehen. siehe Seite DE-78.

4. Bei manchen LKWs/Autos ist der 12-V-Zigarettenanzünder immer HEISS, d. h. er liefert konstant Strom, selbst wenn das Auto ausgeschaltet und verriegelt ist. Wenn dies bei Ihrem Fahrzeug der Fall ist, funktioniert die automatische

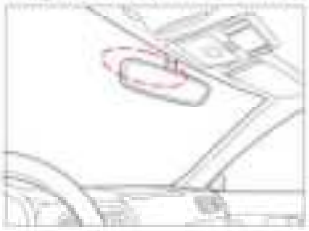
Ein-/Aus-Funktion nicht. Und wenn Sie die Kamera bei ausgeschaltetem Auto kontinuierlich aufnehmen lassen, wird die Batterie Ihres Autos/LKWs entladen und Sie haben möglicherweise beim nächsten Mal nicht genug Strom, um Ihr Auto zu starten. Um diese Situation zu beheben, können Sie eine der beiden Optionen wählen.

① Verdrahten Sie Ihre Dashcam mit dem 3-Leiter-Auto-Trigger-Verdrahtungssatz fest mit dem Sicherungskasten Ihres Autos.

② Ändern Sie die Verbindung im Sicherungskasten für Ihre 12-V-Steckdose zu einer Buchse, die nur dann Strom liefert, wenn der Autoschlüssel auf ACC oder ON gedreht wird.

6. Installation

Installieren Sie die Frontkamera hinter dem Rückspiegel. Installieren Sie die Rückkamera oben an der Heckscheibe. Entfernen Sie Fremdkörper und reinigen und trocknen Sie die Windschutzscheibe vor der Installation.



1. Schalten Sie den Motor aus, drücken Sie die Karte vorsichtig in den Slot, bis sie einrastet. (Bitte verwenden Sie eine Klasse 10 oder höher hochgeschwindigkeits U3 microSD-Karte)

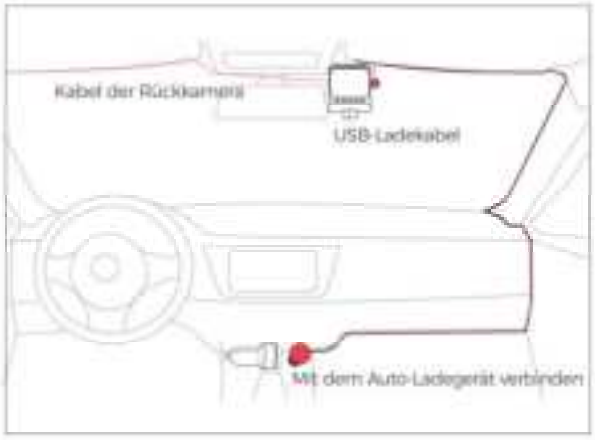
2. Finden Sie einen geeigneten Platz an der Windschutzscheibe, der das Sichtfeld des Fahrers nicht behindert, und entfernen Sie Fremdkörper sowie reinigen und trocknen Sie die Windschutzscheibe vor der Installation. Ziehen Sie die Schutzschicht des elektrostatischen Aufklebers ab und befestigen Sie den elektrostatischen Aufkleber an der Windschutzscheibe, um Flecken/ Kleber auf Ihrer Windschutzscheibe nach dem Entfernen zu vermeiden.

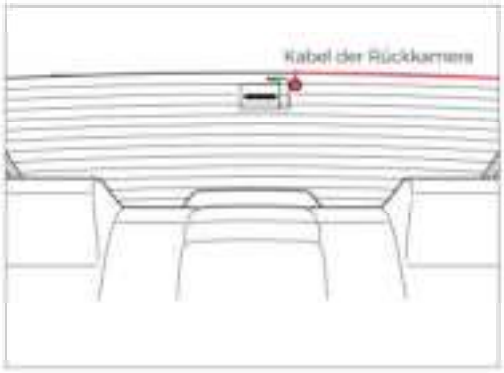
3. Ziehen Sie die Schutzfolie von dem doppelseitigen Klebeband ab und befestigen Sie die Frontkamera am elektrostatischen Aufkleber. Passen Sie den Winkel des Objektivs an, indem Sie die Halterung der Frontkamera verstellen.

4. Ziehen Sie die Schutzfolie von dem doppelseitigen Klebeband ab und befestigen Sie die Rückkamera an der Heckscheibe. Passen Sie den Winkel des Objektivs an, indem Sie den Körper der Rückkamera drehen, und verbinden Sie die Frontkamera mit der Rückkamera.

5. Verwenden Sie das Hebewerkzeug, um die Kanten der Gummidichtung und der Verkleidung anzuheben und das Verbindungskabel der Rückkamera einzuführen.

6. Stecken Sie das Zigarettenanzünder-Stromkabel in die Zigarettenanzünderbuchse und die Frontkamera. Verwenden Sie das Hebewerkzeug, um die Kanten des Windschutzscheiben verkleidung zu heben und das Stromkabel einzuführen.





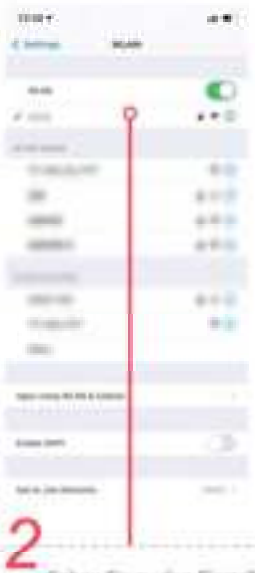
7. Starten Sie den Motor. Die Dashcam wird eingeschaltet und beginnt mit der Aufnahme. Videodateien werden auf der microSD-Karte gespeichert. Schalten Sie den Motor aus. Die Dashcam wird automatisch die Aufnahme stoppen und sich ausschalten.

7. Video-Dateien mit Ihrem Smartphone abspielen

8.1 Überprüfen Sie das Echtzeitvideo mit Ihrem Smartphone

Scannen Sie den QR-Code, um die LINGDU APP herunterzuladen.

1 Suchen Sie die LINGDU App im Google Play Store oder Apple App Store und installieren Sie sie auf Ihrem Smartphone.



2 Gehen Sie zu den Einstellungen Ihres Telefons > WiFi > Wählen Sie das WiFi der Dashcam aus. Nachdem es mit dem WiFi verbunden ist, wird angezeigt "Keine Internetverbindung", was normal ist. Da das WiFi der Dashcam NUR für die Übertragung von Videos/Fotos gedacht ist, NICHT um Aufnahmen über die Cloud oder das Internet zu übertragen, ignorieren Sie bitte die Aufforderung.

WiFi-Name SSID: LINGDU-V620_******,
StandardPASSWORT: 12345678

3 Es wird das Dashcam-Modell V620 angezeigt, wenn die Verbindung erfolgreich hergestellt wurde. Drücken Sie „Echtzeitvideo überprüfen", um zur Live-Video-Vorschau-Oberfläche zu gelangen.

4 Jetzt können Sie das aktuell aufgezeichnete Video in Echtzeit ansehen, indem Sie Ihr Smartphone über Wi-Fi Direct mit der Dashcam verbinden.

5 Bitte stoppen Sie zuerst die Aufnahme, und drücken Sie dann auf ‚Gerätealbum', um Fotos, Videos und Notfalldateien zu erhalten.

8.2 Laden Sie die Videodateien auf Ihr Smartphone herunter

1 Gehen Sie zur Dashcam-Vorschau oberfläche. Bitte stoppen Sie zuerst die Aufnahme, und drücken Sie dann auf ‚Gerätealbum', um Fotos, Videos und Notfalldateien zu erhalten.

2 Wählen Sie die Videodateien aus, die Sie auf Ihr Smartphone herunterladen möchten.

3 Drücken Sie das Symbol, um das Video files herunterzuladen. Es wird jedoch etwas Zeit in Anspruch nehmen, eine Videodatei herunterzuladen.

4 Dann können Sie diese heruntergeladenen Videodateien im ursprünglichen Menü der APP mit dem Namen „Lokales Video" finden.

Die App zeigt das Live-Video nicht auf Ihrem Telefon an. Zeigt es nur ein Bild vom Strand an?

Die mobile Datenverbindung verhindert, dass das Live-Video angesehen werden kann. Wenn die APP das Live-Video nicht anzeigt, deaktivieren Sie bitte die mobilen Daten von „LINGDU" auf Ihrem Telefon. Stellen Sie sicher, dass das lokale Netzwerk von „LINGDU" aktiviert ist.

1. Für das neueste iOS-System: Einstellungen → LINGDU → Klicken Sie auf „Mobildaten" → Wählen Sie „WLAN".

2. Für ältere iOS-Systeme: Einstellungen →„LINGDU" →Deaktivieren Sie die „Mobilen Daten".

Hinweis:

1. WiFi Direct ermöglicht es Ihnen, Ihr Smartphone direkt über WiFi innerhalb eines Bereichs von 10 Fuß mit Ihrer Dashcam zu verbinden.

2. Sobald es mit der UNGDU APP verbunden ist, wird es automatisch das Datum/ die Uhrzeit aktualisieren.

3. Die UNGDU ist für Geräte mit Android 5.0 und höher oder iOS 9.0 und höher verfügbar.

Was ist eine WiFi-Funktion?

Die WiFi-Funktion wurde so konzipiert, dass Sie Ihre Dashcam drahtlos mit Ihrem Smartphone koppeln und sofort auf Ihre Aufnahmen von der Dashcam zugreifen können. Hier können Sie Ihre Videos ganz einfach mit Ihren Freunden und Ihrer Familie ansehen, herunterladen und teilen. So wie Sie Ihren Bluetooth -Lautsprecher mit Ihrem Smartphone für kabelloses Musikhören verbinden würden, verwenden Dashcams das WiFi-Signal (anstatt Bluetooth), um Ihr Smartphone mit der UNGDU V620 zu koppeln.

Kann ich die Videos rund um mein Auto aus der Ferne ansehen?

NEIN. Die UNGDU V620 Dashcam ist NICHT dafür ausgelegt, Aufnahmen über die Cloud oder das Internet zu übertragen. Es ist KEINE Cloud- oder IP-Kamera und nicht dafür gedacht. Sie können Live-Video und Aufnahmen über die UNGDU Dashcam APP erhalten, solange Sie sich innerhalb von 10 Fuß (ca. 3 Meter) von der Dashcam befinden.

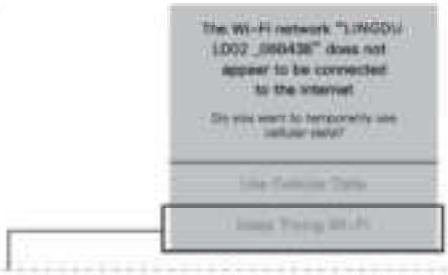
Was ist der WiFi-Bereich?

Der WiFi-Signalbereich beträgt etwa 10 Fuß, wenn es keine Hindernisse dazwischen gibt. Bitte BEACHTEN Sie, dass Sie, genau wie bei Ihrem Heim-WiFi- Netzwerk, kein WiFi-Signal außerhalb Ihres Hauses haben. Ebenso beträgt der WiFi-Bereich 10 Fuß von diesem kleinen Gerät.

Für Android-Handys:

Beim Installieren der UNGDU APP werden zwei Pop-up-Aufforderungen angezeigt. Wählen Sie'Während der Nutzung der APP', um UNGDU den Zugriff auf den Standort dieses Geräts zu ermöglichen, und wählen Sie 'Erlauben', um UNGDU den Zugriff auf Fotos und Medien auf Ihrem Gerät zu gestatten. Es gibt einen zusätzlichen Schritt, den Sie beim ersten Mal durchführen müssen. Sobald Sie sich mit dem WiFi des V620 verbinden, wird angezeigt 'Kein Internet'. Das ist in Ordnung. Warten Sie ungefähr 10-15 Sekunden, bis das folgende Pop-up oder die Benachrichtigung erscheint. Sie müssen nur auf die Pop-up-Benachrichtigung tippen, die in wenigen Sekunden angezeigt wird, um auszuwählen, dass Sie weiterhin verbunden bleiben möchten, auch wenn kein Internet vorhanden ist. Sobald Sie dies mit OK bestätigen, sind Sie bereit.

iPhone:



Wenn Sie diese Meldung auf Ihrem iPhone erhalten, während Sie die WiFi-Funktion verwenden, stellen Sie sicher, dass Sie auf „WiFi weiter versuchen" tippen. Andernfalls wird die Kamera von WiFi getrennt, und Sie müssen das LINGDU WiFi vergessen und dann erneut koppeln, um es wieder zum Laufen zu bringen.

8. Videoeinstellungen

Auflösung-1440P+1080P(Standard)

Erlauben Sie die Auswahl der gewünschten Videoauflösung und fps (Bilder pro Sekunde).

Höhere Auflösungen und fps-Videos führen zu flüssigeren Videos, benötigen jedoch auch mehr Speicherplatz.

Vorne:

3840*2160 30FPS (Standard)

2560*1440 60FPS

2560*1440 30FPS

1920*1080 60FPS

1920*1080 30FPS

Vorne + Hinten

3840*2160 25FPS+1920*1080 25FPS, unterstützt ADAS

2560*1440 60FPS+1920*1080 30FPS, unterstützt kein ADAS

2560*1440 30FPS+1920*1080 30FPS+HDR, unterstützt kein ADAS

2560*1440 30FPS+1920*1080 30FPS (Standard), unterstützt ADAS

1920*1080 30FPS+1920*1080 30FPS, unterstützt ADAS