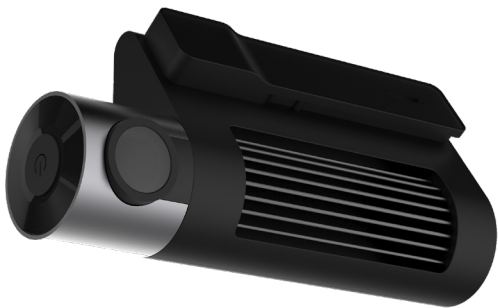# NEOLINE

NEOLINE G-TECH X50
TWO-CHANNEL DASHBOARD CAMERA

User Manual

Dear customer!

Thank you for purchasing NEOLINE G-TECH X50 car digital video recorder (DVR)! Please read this manual carefully and all through to ensure proper use and longer service life of the device. Keep the user manual to consult it when necessary.

Content

1. Operation Conditions

• Please read the warranty terms carefully.

• In case of any inadequate operation of your Neoline DVR, please be sure to have the device software updated before contacting your service centre/vendor/other authorized institution.

The latest FW version is available at http://neoline.com/update/ and here you can also find how to get the update. If you still have any questions, please feel free to use one of those phone numbers at the site or just leave your request at http://neoline.com/support/

• Never insert or remove a memory card while the DVR is on. It may cause damage to the device, memory card and recorded video files.

IMPORTANT! Inserting a brand new SD card may sometimes bring no DVR response. In this case, just format the memory card with a PC.

• Since this DVR utilizes h.264 codec, some properties of the recorded files (such as bitrate) can only be viewed with an h.264 supporting applications. These are, Windows 10 media player or VLC Player.

• This device shall only be used with the accessories supplied. Where third-party accessories are used, Neoline bears no responsibility for any damage to the product.

• Do not expose the product to fire, moisture or chemicals (gasoline, solvent, reagents, etc.).

• Do not disassemble or modify the product.

• Neoline is not responsible for any data loss and/or direct or indirect damage caused to the user or a third party by incorrect use of the device or software, their incorrect installation, or the use of accessories not included in the package.

• **NOTE!** In some cars, the power is supplied to the 12/24V socket even when the ignition is off. It is recommended to disconnect the device from the vehicle network to avoid the battery discharging.

• Format the microSD card at least once every two months to avoid damage to its file system.

• Observe the storage and operation temperature conditions (see specifications). Do not expose the unit to sunlight for too long.

• The device is designed to be used in cars with a transparent windshield or light tone heat shield for glass. Where the windshield is tinted or covered with dark heat shield film, the video quality decreases.

• Install the DVR in such a way as to get the maximum field of view. DO NOT place the DVR in a place where it can block the view and compromise your safe driving. Neoline and its authorized partners take NO responsibility for any data lost or damaged due to improper installation of the holder.

• The built-in supercapacitor helps you finish your recording correctly. Normal operation of the device requires an external power source.

• Do not use the device while driving to be sure you are driving safe in accordance with local law.

• Set the correct date and time before using the device.

• Heating of the case during operation is normal.

• Handle the device with due care; avoid dropping/crushing the device.

The manufacturer reserves the right to change the equipment list, hardware and software of the device without prior notice.

It is assumed that you agree with the provisions above before you start using the system.

This user manual is valid at the time of printing. Please check for any updates at www.neoline.com You may download this manual by pressing Download button on product page.

2. Specifications:

- Resolution: Front camera: Full HD 1080P (25fps)

  Rear camera: HD 720P (25fps)
- FOV angle: Front camera: 140°

  Rear camera: 130°
- Rear camera cable length: 6.5m
- Built-in supercapacitor
- G-sensor
- Parking mode
- Loop recording
- GPS tracker: App & PC platform
- Wi-Fi
- Live streaming
- Dual-way talking
- Over-speed alarm
- Geofence alarm
- MicroSD support 8GB - 256GB (Class 10)
- Storage temperature: -20°C to +70°C
- Opening temperature: -10°C to +60°C
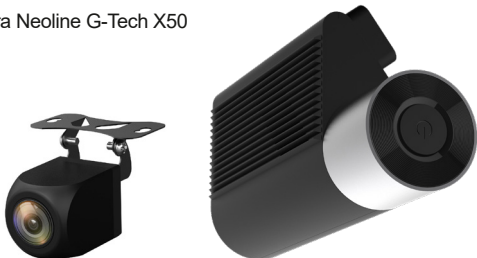- Charging input voltage: DC 12-30V

*The DVR is designed to operate under a wide range of temperatures. Unlike a battery, a supercapacitor is more durable and can work more efficiently both at low and high ambient temperatures.

This user manual is valid at the time of printing. Please check for any updates at www.neoline.com
You may download this manual by pressing Download button on product page.

3. Package Contents

- 4G Cloud Dash Camera Neoline G-Tech X50
- 3M Stick Base Bracket
- Power Adapter Cable
- GPS Antenna
- Manual
- Warranty
- Rear Camera

4. Product Description

Main key:

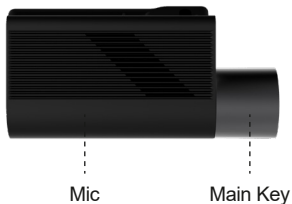Wi-Fi ON&OFF / Restart (Press 3 seconds to disable / enable Wi-Fi. Press 10 seconds to Restart.)
Display Screen ON/OFF (Device with display only).

Mic:

Audio Monitor
SIM Card and Micro SD Card:
Insert SIM Card and Micro SD Card as picture directed, MAX support 256GB Fat32 Micro SD Card.

Mic   Main Key

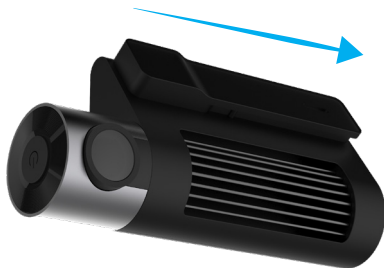**Note:** Insert SIM Card only when the device is power off.

5. DVR Installation

Installation on the windshield

- Choose the installation location in advance, as the adhesive tape on the mount is of single use.

- Degrease the mounting location and warm it up to ensure strong adhesion.

- Sit the DVR onto the mount and turn the DVR on. Make sure that the horizontal is kept and the lens captures the image symmetrically both on the left and right when evaluating the display image. Then remove the protective film from the surface of the adhesive tape and lean and press the mount against the windshield.

Installation steps

1. Insert the SIM Card and Micro SD Card into the Slot. (**Note** the direction.)
2. Stick the base bracket onto te front windshield (**Note** the direction and position.)
3. Connect the Power cable with 4G Cloud Dash Camera and Car power fuse box (Note the difference between Power Supply and ACC, GND is connected to the carf metal part.)
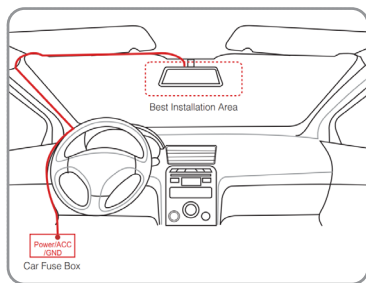
Adjusting the viewing angle

NOTE! Adjusting the viewing angle can only be done along the vertical line, so be sure to position the device correctly on the windshield along the horizontal line as close as possible to the windshield's center.

While pulling or pushing the device in the holder, ensure that the camera captures the image in proportion of 30% sky / 70% road.

Power connection

Use only the power adapter included to power the device and charge the battery.

Connect the power cable to the DVR, then connect power cable in to the car fues box.

The device turns on automatically when the car engine starts.

Note!
For best view, the device should be installed near the rear-view mirror in the center top of the windshield. Please ensure that the camera captures the image in proportion of 30% sky/ 70% road to get the best record.

Dismounting

Holding DVR at the bottom, pull it down and counterclockwise as against the back wall of the mounting slot.
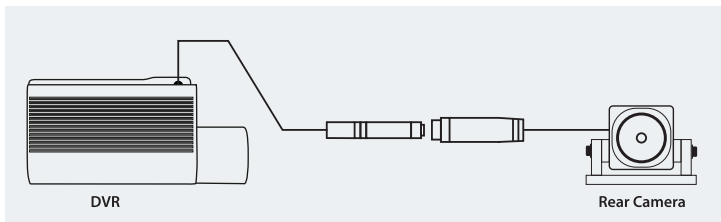
6. Device Operation

Loop recording

1) Please insert the microSD card into the memory card slot; the Loop Recording mode turns on automatically.
2) It is recommended to set a 3-minute cycle (see Settings).
3) The device will automatically replace the oldest video file with the newest one when there is no more space left on the memory card; exception is the files protected from deletion.
4) Loop records are stored in F _Driving and R_Driving folders, one for each camera.

Rear Camera Connection
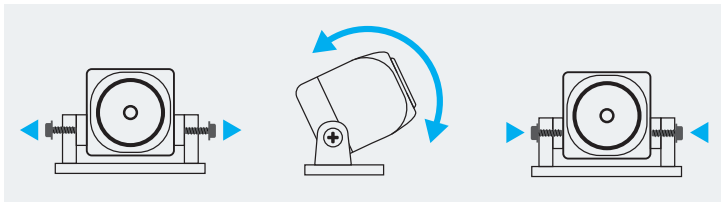
Use the rear camera connector with the DVR.

NOTE! The rear camera is designed only to record events behind the car and cannot be used as a parking camera.

DVR   Rear Camera

Setting the rear camera FOV angle

Please determine in advance a location for installation of the rear camera inside or outside the vehicle (bumper, license plate bracket, etc.).
Please try to put the camera in the center to get the best FOV. Determine the optimal angle of the camera based on the DVR image, fix the position of the camera, mount it and then screw it hard using the screws provided.

7. APP settings and Applications

APP download and installation

Please scan QR code by smart phone (iOS & ANdroid), download and install APP "iCloudCar", or search "iCloudCar" from App Store and Google Play to download and install directly.
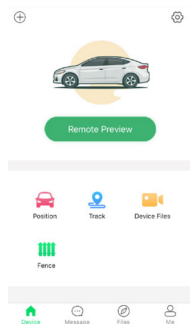

iOS APP

Android APP

Main Interface

Open APP, when the device isn't conecetd, the main interface is as in the picture:
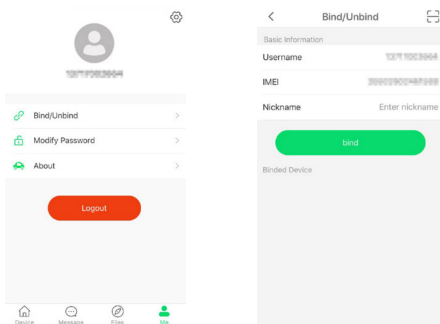
Real-time Video Preview

Wi-Fi connect/Remotely connect and Bind Device:

1. Wi-Fi connect: Press the main key for 3 second to enable Wi-Fi, searching Wi-Fi on phone, find the Wi-Fi hotspot named by the last four digits of the device IMEI number. Default password: 12345678, then connect.
2. Connect remotely and Bind Device: Scan or type in the IMEI number, then bind the device.
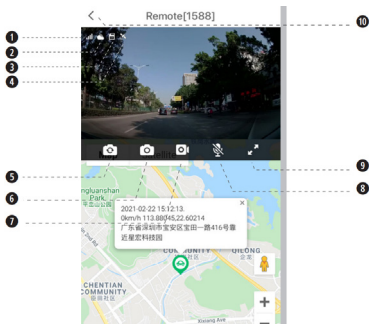
Note: Login the account before binding the device.

Binding steps are as shown below:

Preview:

After connection, click the play button in the video preview window then it shows (as below image), the functions corresponding to the icons are illustrated as below:

1. SIM Card Signal
2. Cloud Server Icon
3. Micro SD Card Icon
4. GPS Signal
5. Front and Rear Camera Switch
6. Take Picture Button
7. Video Record Button
8. Mic ON/OFF
9. Full Screen Button
10. Exit

SIM Card Signal: Sim Card signal value strength.

Cloud Server Icon: Connected with cloud server.

Micro SD Card Icon: Micro SD Card detected.

GPS Signal: GPS located.

Front and Rear Camera Switch: When connecting rear camera, click the button to switch front and rear camera preview.

Take Picture Button: Click the button to save the current image to the phone. User can check it from "Images" of "Files".

Video Record Button: Click the button for video record to save the video to the phone. User can check it from "Video" of "Files".
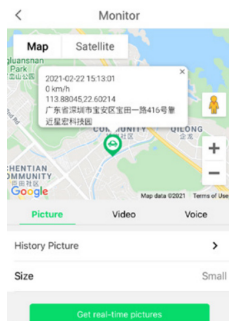
Mic ON/OFF: Click the button to open or close the MIC.

Full Screen Button: Click it to change preview image into full screen.

Exit: Click the button to return to main menu.

Monitor

Click "Position" on the main interface. User can get the current GPS location information of the device.

1. Access to the real-time image.
2. Access to the real-time video, video of 5 / 15 / 30 seconds optional.
3. User can set up voice broadcast, while enter text in the input box, then transmit to the device by voice broadcast.

Playback

Click "Device Files" on the main interface, to check the record files in the Micro SD card. As shown below:

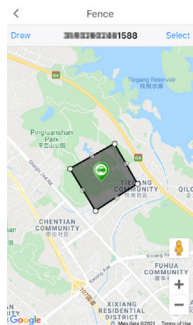Video and image can be viewed separately which from front main camera or rear camera.

Track

Click "Track" on the main interface. User can view the track record of driving. Save track records for up to one month.
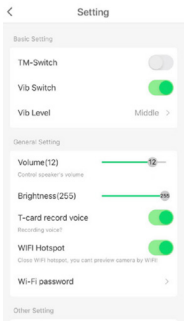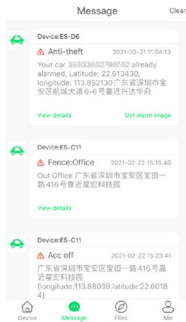
Geo-Fence

Click "Fence" on the main interface, to access to the interface of setting fence. As shown in the picture:

Click "Draw" to set up a fence in the corresponding area on the map, can set 5 fence mostly. when the car enter in or out of the fence area, there will be alarm message on the APP.

14

Message

Click "Message" on the main interface. User
can view all the alarm message of the device,
including Anti-theft alarm / ACC ON&OFF /
Geo-fence alarm / Over-speed.

Setting Menu

Click ⚙ on the main interface, then user can
modify device parameter. As shown in the picture:

TM-Switch: Time-Lapse Photography ON or OFF (After ACC off, Dash Camera
record 1 frame per second, Support to record up to 24 hours).

Vib Switch: To enable or disable Vibration alarm. If disable the Vib switch, the
device will not alarm and can not preview remotely.

Vib Level: To set collision strength for Vibration alarm.

Volume: Adjust device volume.

T-Card Record Voice: To open or close record sound.

Wi-Fi Hotspot: ON / OFF.

Wi-Fi Password: To modify default Wi-Fi hotspot password.

Device Info: Check device GPS information, Device IMEI number, Device version information.

Self-Checking: Check the configuration of the device, Including Sim Card/SD Card/GPS/GSM Signal/Cloud Server/ACC.

SD Card Formatting: Format Micro SD Card.

Restore Factory Setting: Yes / No.

Reboot Device: Yes / No.

Files

Cilck "Files" on the main interface, then you can view the files which saved in the phone. As shown in the picture:
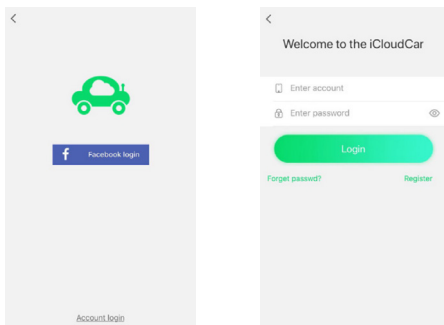
Click the "Select" button in the upper right corner, then user can delete the file.

User Center

User Login

It require to login the account for remotely connect. Two-ways login 1. Loging with Facebook Account, 2. Login with Registered Account. As shown in the picture:

Note: Need to register the account if there is no account.

1. Account to be numbers only, not less than 6 digital.

2. Password to be numbers or letters, not less than 6 digital.

Personal Center

Click "Me" to personal center.

Setting:

To set related account parameters.

1. Auto-Record: Enable / Disable to record the video to "Files" while preview the live view.

2. Connection Voice: Enable / Disable the voice of preview connection.

3. Map Type: Google / Leaflet / Amap / Baidu Optional.

4. Wi-Fi / Remote Video Size: Wi-Fi / Remote preview video resolution setting.

Bind/Unbind: Bind/Unbind device IMEI number.

Modify Password: To modify the password of the login account.

About: To check the version information of the APP.

8. Troubleshooting

This section helps you to eliminate problems the device may have under normal operation.

- Failure to photograph/record video.

Check if there is enough free space on the microSD card and if it is not blocked.

- Spontaneous stop at recording.

Too many video files are stored. Use at least class 10 high-speed microSD cards by proven manufacturers.

- When you try to view a photo/play a video file, the "wrong file" message appears.

File writing failure due to microSD card file system error. Format the microSD card.

- Blurred image.

Check for dirt on the lens and the CPL filter. Wipe the lens with a soft cloth before use if any (it is recommended to use special care products for the optics in order not to damage the surface of the lens).

- Darkened image when photographing the sky or water.

Too much contrast in the scene may affect the exposure. Change the exposure in the settings menu.

- Hangup (no image, no button response).

Please, press RESET button to reboot the device.

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