NEOLINE

TWO-CHANNEL DASHBOARD CAMERA

NEOLINE WIDE S49

User Manual

NEOLINE WIDE S49

TWO-CHANNEL DASHBOARD CAMERA

Dear Purchaser,

Thank you for acquiring NEOLINE Wide S49 dashboard camera. Please carefully read this manual to the end in order to correctly use the device and extend its service life. Retain User Manual to consult it if necessary in future.

According to paragraph 2, Article 26.7 of RF Code of Administrative Offences (in wording of the Federal Law No. 114-FZ of 26.04.2016), documents significant for proceedings on administrative offence shall include still and motion picture footage, audio and video recordings, information bases and data banks and other information carriers. Thus, events (including road traffic accidents, violations of road traffic rules or absence thereof) recorded by this dashboard camera can be considered by court (in particular) as an evidential basis.

Content

1. Operational Conditions

1. Get acquainted with conditions of in-warranty service.

2. Do not install or remove memory card when the dashboard camera is switched on to avoid damage to the device and recorded video files.

3. Only use high-quality microSD cards not lower than Class 6 to avoid recording dropouts and delayed images.

4. Use of 8Gb to 32Gb card is recommended.

5. Device should only be used with accessories from the delivery set. NEOLINE disclaims responsibility for possible damages to the product in case accessories of third-party manufacturers are used.

6. Do not expose the product to the effect of fire, moisture or chemically active substances (petrol, solvents, reagents etc.).

7. Disassembly or modification of the product is prohibited.

8. NEOLINE shall not be held responsible for loss of data and/or damage, whether direct or indirect, caused to the user or to a third party through improper use of the device or software, incorrect installation, use of accessories not included in the delivery set.

9. Important! In some motor cars, power to 12/24V socket is delivered also with ignition off. To avoid accumulator discharge, it is recommended to disconnect the dashboard camera from the vehicle network (remove power adapter from the cigarette lighter socket).

10. Format microSD card not rarer than once in two months to avoid damage of its file system.

11. Observe temperature conditions of storage and operation (see technical specifications). Do not allow lasting sun exposure of the device.

12. Do not remove memory card from working device to avoid data loss and breakage.

Manufacturer reserves the right to bring amendments in the equipment list, hardware and software of the device without prior notification.

2. Technical Specifications

- Video resolution
  FHD 1920*1080 (30k/s)
  HD 1280*720 (30k/s)
- Viewing angle 155 degrees
- Display: LCD, 3''
- Video recording format/compression: MOV/H.264
- Bitrate,   max.: 16 Mб/c
- Built-in accumulator battery470 мА
- Support of MicroSD memory cards, class 10 + , 8 to 32 GB
- Interval loop recording , min: 1/3/5
- Continuous recording
- Automatic ON/OFF
- Operating temperature: -10°C to +40 C°
- Number plate stamp
- Date/time stamp
- Audio recording
- Built-in loudspeaker
- G-sensor
- Motion sensor
- Parking mode
- Input voltage DC charger: 12V/24V
- Input voltage of the device : DC 5V/1A
- Bracket, type: suction cup, 3M
- Dimensions: 89*53*28.5 mm
- Weight: 86 g

3. List of Equipment

- Car dashboard camera NEOLINE Wide S49
- Rear view camera
- Bracket with suction cup
- Bracket with 3M scotch tape
- Car charger
- Operation manual
- Warranty card

4. Description of Device and Indicators
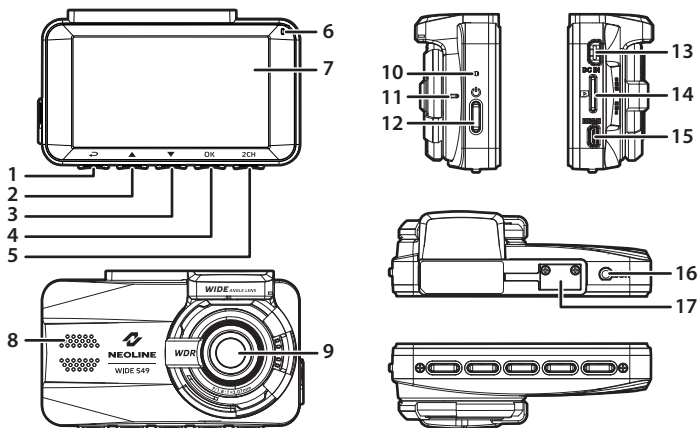
1) Button "Back"   (▤ / ⏎)
2) Button "Up"   (▶ / ▲)
3) Button "Down"   (◉ / ▼)
4) Button "Enter"   (⚠ / **OK**)
5) Camera display
   switchover button   (⛁ / **2CH**)
6) Indicator
7) Display
8) Lodspeaker
9) Wide-angle lens

10) Reset button
11) Microphone
12) Power button
13) mini-USB receptacle
14) Memory card slot
15) HDMI output
16) Rear view camera connector
17) Bracket seat

Battery Condition Indicator

Icon	Description
⊞	Battery fully charged.
⊞	Battery 2/3 charged.
⊞	Battery 1/3 charged.
▬	Battery discharged.
⚡	Battery is charging.
⊏⊐	Connect car adapter to charge, battery is fully discharged.

Note

Please note that at temperatures below 0°C and above 45°C the power adapter will continue delivering power to the device but the lithium-ion battery will not be charged. It is connected with peculiar features of lithium-ion batteries and intended to extend their service life, being not a failure

Light Indicators

| Device Status	Indicator Colour
Power off, battery is charging.	Red
Power off, battery fully charged.	No light
Power on, battery is charging.	Red
Power on, battery fully charged.	Green
Standby mode/standby mode with disconnected screen	Green
Recording/recording with disconnected screen	Red blinking

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[Installation of Dashboard Camera]
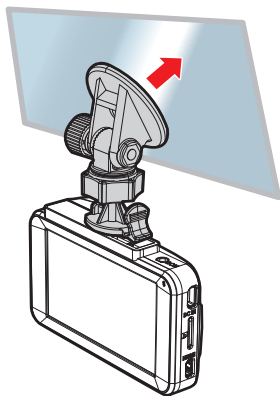
Windshield Mounting
- Mount bracket on the device. Move it in the bracket holder till it goes click.
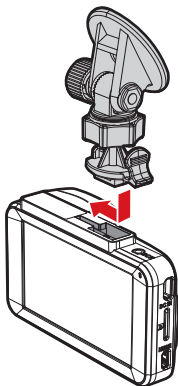
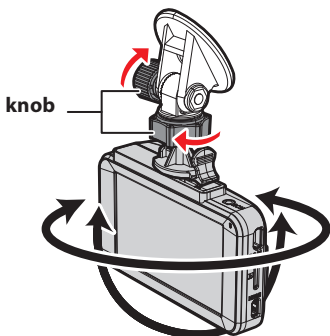- Remove protective film from adhesive bracket.
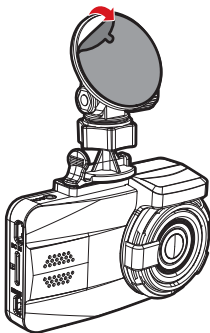
- Firmly holding the bracket base on the windshield, check that the base is securely fixed.

Adjustment of Device Position
- Loosen knob to rotate the device vertically or horizontally.

knob

Then tighten the knob to securely fix the dashboard camera.

Power Connection

Only use power adapter included in the product delivery set to supply the device and charge the battery.

- Connect one connector of power adapter to mini-USB receptacle on the device.
- Connect other connector of power adapter to the car cigarette lighter socket.
- After car engine is started, the device will automatically switch on.
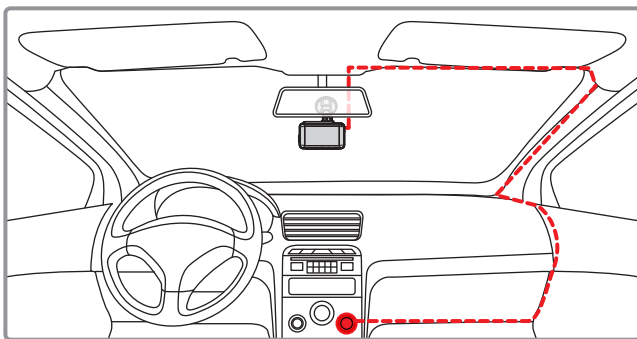
Note
For optimal view, the device should be mounted next to the rear view mirror on the centreline and top of the windshield.
Position the lens so that the camera captures the image in proportion "40% sky/ 60% road" to reach the best filming results.
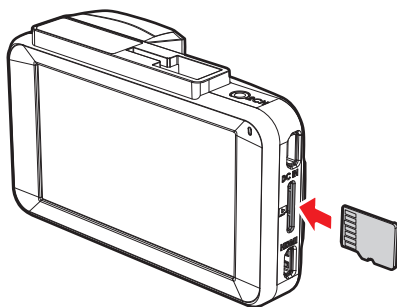
[Operation]

Preparation of the device
A. Insert MicroSD card into the memory card slot.
Switch off the device before memory card installation and insert memory card till it is fully fixed.
Card installation: Position MicroSD card against the slot as shown on figure below and insert till it goes click.

Card removal: carefully press the card and the remove from the slot.

IMPORTANT: Attempting to insert the card with a wrong side can damage the device and the card itself. Make sure the memory card is in correct position.

Warning: Do not apply too much effort when installing the memory card in order to avoid damage of the device. To install , insert MicroSD into the slot till it is fixed (goes click); if necessary, use a needle to seat the card. To remove the card, press on it till click and remove from the slot, use a needle if necessary.
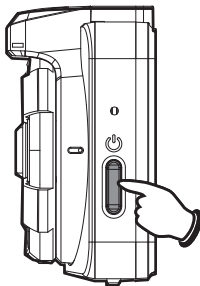
Switching ON/OFF

Automatic ON/OFF

After car engine is started, the device automatically switches on.
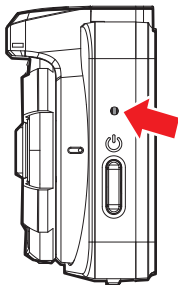
Manual ON/OFF and Reset

Manual ON/OFF

To switch on the device manually, press power button.
To switch off the device, press power button and hold it for at least 2 seconds.

Reset

Use a pin or paper clip to press reset button and hold it for 5 seconds (through the opening).

Initial Adjustment

Before using this device, it is necessary to set precise date and time as well as
the network frequency
Date / Time setting
To correctly set date and time, carry out the following steps:

Press button   ⮌   to enter main menu.
- Use buttons   ▲▼   to select Date / Time and press button   OK.
- Use buttons   ▲▼   to set required value and press button to enter the
  next box.

- Repeat step 4 before completion of date/time setting.

Дата / Время				🔋
	2017 Y 01 M 01 D	12 : 00 : 00		
⮌	▲	▼	OK	

Network Frequency

To correctly set the network frequency:
- Press button   ⮌   to enter main menu.
- Use buttons ▲ / ▼ to select Network Frequency and press button **OK**.
- Use buttons ▲ /▼ to select 50Hz and press button **OK** .
- Press button   ⮌   to exit menu.

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Video recording

Recording screen

1. Time of recording
2. Number plate stamp
3. Date/time stamp
4. Press ⟵ to enter main menu
5. Press ▲ to enter Playback menu
6. Press ▼ to obtain photo
7. Press **OK** to block current recording
8. Press **2CH** to switch view from front camera

   to rear camera and back
9. Audio recording indication
10. Current video recording resolution
11. Memory card indication
12. Battery charge indicator
13. Rear camera view

Emergency Recording

To start emergency recording, carry out the following steps:

- Press button OK during recording to block current video file against rerecording. "Emergency situation" message will appear in left top corner of the screen.

Note
1. If function Sensitivity G-sensor is activated and a collision happened, the device will automatically block current video file.
2. A new file of emergency recording is created, which will be protected against rerecording in the standard mode of loop recording. Emergency recording folder will occupy 40% of available card size. For example, if 8GB memory cards are used, then 3.2GB of memory space will be reserved for emergency recording files. When the emergency recording folder will be full, the old emergency recording files will be deleted automatically with the creation of new emergency recording files.

Photographing

You can take photos of current scene.

During video recording, press ▼ to take a photo.

Fatigue Warning

If Fatigue Warning function is activated, one hour after the recording mode is started the device will generate an audio warning and then repeat it each half hour.

- Press button ⟳ to enter main menu.
- Use buttons ▲ /▼ to select Fatigue Warning and press button **OK**
- Use buttons ▲ ▼ to select ON amd press button **OK**
- Press button ⟳ to exit menu.

Parking Mode

Parking mode is intended to fix events at the parking place.

-Press button ⮌ to enter main menu.

-Use buttons ▲ / ▼ to select Parking mode and press button **OK** to

- Use buttons ▲ / ▼ select By G-sensor or By Motion Sensor

and press button **OK**.

- Press button ⮌ to exit menu.

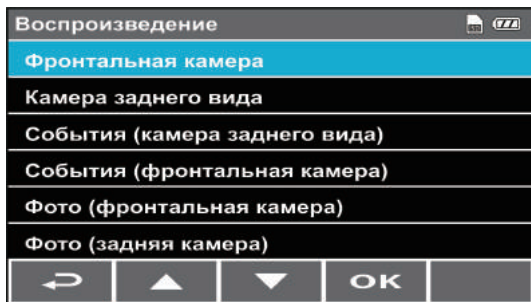| Element	Description
By G-sensor	Upon disconnection of external power supply, the system will issue message: "**Press OK to switch off or Parking mode will be activated after 10 seconds**". It means that after 60 seconds the system will automatically go into the vibration detection mode; when video camera will detect any external vibration affecting the motor car, the video recording will last 10 seconds and the video file will be protected. If button **OK** is pressed within 10 seconds, the video camera will switch off instead of going into vibration detection.
By Motion Sensor	Upon disconnection of external power supply, the system will issue message: "Press **OK** to switch off or Parking mode will be activated after 10 seconds". That is, if a motion in front of the the camera lens or an external effect (vibration) is detected, the system will automatically switch on the motion sensor after 10 seconds, the video recording will last during 10 seconds if the system detects vibration, and will last for the next 10 seconds until termination of the vibration effect. If button **OK** is pressed within 10 seconds, the device switches off without activation of Parking mode.
OFF	Parking mode is off.

Playback of Video Records and Photographs

Playback

- Press button ▲ to enter Playback mode.
- Use buttons ▲ / ▼ to select type of file for viewing and press button **OK**.
- Use buttons ▲ / ▼ to go to the next or previous file and press button **OK** to view the file in full-screen mode.

Воспроизведение	🔲 📶
Фронтальная камера	
Камера заднего вида	
События (камера заднего вида)	
События (фронтальная камера)	
Фото (фронтальная камера)	
Фото (задняя камера)	
⤺ ▲ ▼ OK	

Playback
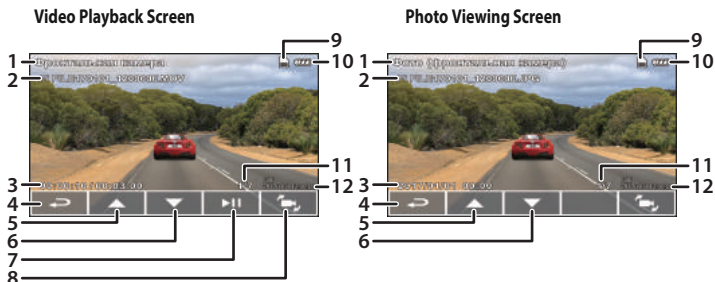**Front camera**
Rear view camera
Events (rear view camera)
Events (front camera)
Photo (front camera)
Photo (rear view camera)

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Playback Screen

Video Playback Screen

Photo Viewing Screen

No.	Element	Description
1	File Type	Current file type indication
2	Filename	Filename
3	Current Playback Time	Elapsed time and recording time indication
	Date/Time	Recording date and time
4	Select File (back)	Press button ⤺ to go back to Select File menu
5	Previous File	Press button ▲ to view the previous photo/video record
6	Next File	Press button ▼ to view the next video record/photo
7	View	Press button **OK** to view video (photo)
8	Alternate Camera	To switch between front and rear camera on the screen
9	Memory Card	Memory card installed
10	Battery	Battery charge indication
11	Displayed File Number	Number of currently displayed file and total number of files to be displayed
12	Date/Time Stamp	Recording date and time indication

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- Bd\We Tgffa` ⮌ fa WfWd_ S[_ Wg
- Ge\WTgffa`e  ▲ / ▼  fa e\WWLf 8[\WDeletion S`V bd\We button **OK**
- Ge\WTgffa`e  ▲ / ▼  fa e\WWLf X\Wfkb\WS`V bd\We Tgffa` **OK**
- Use buttons ▲ / ▼ to select file to be deleted and press OK to enter
  File Deletion menu

- Use buttons ▲ / ▼ to select parameter

Element	Description
Delete File	Delete current file
Delete All	Delete all files

- Press button ?? to confirm deletion.

File Deletion

Удаление файлов

Фронтальная камера

Камера заднего вида

События (камера заднего вида)

События (фронтальная камера)

Фото (фронтальная камера)

Фото (задняя камера)

⮌ ▲ ▼ OK

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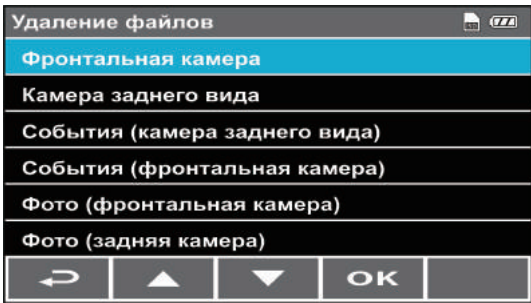
File Deletion
Delete File
Delete All

Удаление файлов	🖿 ▨
Удалить файл	
Удалить все	
⏎	▲	▼	**OK**	
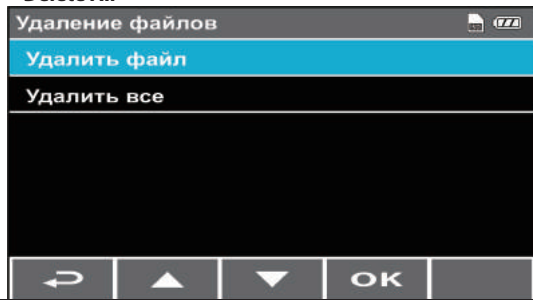
Note
Deleted files cannot be restored. Create backup copies before deletion.

Work with Menu

General parameters can be set via main menu:

- Press button ⏎ to enter main menu.
- Use buttons ▲ /▼ to select menu item and press
  button OK to enter the selected menu.
- Use buttons ▲ / ▼ to select required parameter and press button
  OK to confirm.
- Press button ⏎ to exit menu.

Menu Elements

MAIN MENU

Resolution: 1080p 30fps / 720p 30fps
Date/Time: use buttons to set current date and time
Date/Time Stamp: ON/OFF
Number Plate Stamp: use buttons to enter car number plate
Audio Recording ON/OFF
Button Click Sound: ON/OFF
Volume: use buttons to set sound volume level
Display Auto OFF: Off/7 seconds/1 minute/3 minutes
Loop recording: 1 minute / 3 minutes / 5 minutes
Exposure: -2.. +2
Network Frequency: 50Hz/60Hz
Sensitivity G-sensor: OFF/ High/Medium/Low
Parking Mode: OFF/by G-sensor/by motion sensor
Fatigue Warning: ON/OFF
Lane Departure Warning System LDWS: ON/OFF
Frontal Collision Warning System FCWS: ON/OFF
File Deletion: Front Camera/Rear View Camera/ Events (Rear View Camera)/
Events (Front Camera)/Photo (Front Camera)/Photo (Rear View Camera)
Language: Русский/English/Español/Deutsch/Polski/Français
Default Settings: Yes/No
Formatting: Yes/No
Software version: firmware version is indicated

PLAYBACK

Front Camera
Rear View Camera
Events (Rear View Camera)
Events (Front Camera)
Photo (Front Camera)
Photo (Rear View Camera)

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[Troubleshooting]

If problems have occurred while following the operational conditions, use this section to solve them.

- Photographing and video recoding impossible
Check whether there is enough free space on the MicroSD card as well as whether the card is not blocked.

- Recording self-stoppage
Too large size of video files, only use highspeed MicroSD cards, not lower than Class 10, of proven manufacturers.

- "Invalid File" message appears on the display upon attempt to view/ playback photo/video file
Uncompleted recording into file through file system error on the MicroSD card. Format the MicroSD card.

- Washed-out picture
- Check whether the lens is free of dirt, fingerprints. If not, wipe the lens with soft cloth before operation (use of special agents for care of optics is recommended in order to avoid damage of the objective lens surface).

- Darkened picture in photos of sky or water
High contrast in the scene will have impact on the exposure. Change exposure settings in the menu.

- Hangup (no picture on the display, no response to button pressing).
Press button RESET for forced reload of the device.

CE EAC FC RoHS ♻ 🗑

DC 5V, 1A
Operating temperature -10^{0}C to +40^{0}C

12031144300-A

See individual packaging for information about the importer and
authorized service organization