Dear buyer!

Thank you for purchasing Neoline X-COP R750 hidden installation hybrid. Be sure to read current guide carefully and completely in order to use the device properly and extend its life. Keep the user guide and address it if you need it in future.

Please note that this device has no service limitation in the Russian Federation and countries-members of the Customs Union.

[Contents]

[Service conditions]

- Study terms and conditions in the Warranty leaflet.
- Install hybrid properly, in accordance with the user guide. Follow the rules to avoid accidents.
- Use only the power cable included in the set. When charged with a third-party charger, even with similar PWC, efficiency can be violated.
- Follow the temperature storage and usage conditions (see specifications). Avoid long-term sun exposure.
- Before leaving car, check that X-COP R750 is off – do not leave the device in the On mode for a long time, it can lead to car battery overconsumption and reduce hybrid lifecycle (Parking mode in X-COP R750 doesn't reduce battery levels).
- Be careful while using – avoid dropping or squeezing the device.
- In order to avoid road accidents do not perform any actions to the device while driving.
- During car cleaning, remove X-COP R750 to avoid contact with cleaning products. It can lead to changes in appearance or disrupt functions.
- Do not install the device at the airbag opening sections.
- Use standard voltage (12-24 W).
- Make sure the device is not covered with anything when used.
- Do not use the radar detector unit outside of the vehicle.

- Readouts shown by the radar detector unit may be inaccurate due to potential extraneous emissions. Powerful emission sources may cause the device instability. Such sources may include, among other things, the following: interior blind area sensors, automatic sliding door open sensors, mobile base stations, traffic sensors, additional interior electronic devices (including GPS modules, radar detector units, mobile phones etc.), high-voltage power transmission lines. Detection of extraneous emission sources by this device is not the malfunction.
- Readouts of the radar detector unit may differ depending on the landscape.
- The radar detector unit is intended for the detection of radio signal sources only. The manufacturer cannot guarantee absolute detection of all existing radio signal sources due to possible changes in measuring instrument specifications and parameters.
- To ensure the correct operation of GPS module in a vehicle with athermal or heated windscreen, it is important that the external GPS antenna be installed properly. Since the aforementioned windscreens are sprayed with metal, detection of wide band signals and the correct operation of GPS module may be disturbed
- Satellite search time can be increased due to weather conditions, time of day, landscape and design specifics of your car.
- 3D adhesive mounting is not reusable. Choose a right mounting place before placing the device on your windshield.

- Do not remove memory stick while in use, it can cause data loss and malfunction.
- To record high-quality video, check that device visibility is not limited and camera lens is clean.
- While driving, mounting block is subjected to vibrations, they can dislodge your dash camera. Pay attention to check camera positioning before use.
- Format SD card once in two months, in order not to affect its file system.
- Recharge the battery once in two months if you don't use X-COP R750 for a long period of time.
- Neoline Company shall not be liable for memory loss and/or damage, direct or indirect, caused to user or third party by incorrect device or software usage, incorrect installation, usage of non-included accessories.
- Body frame heating during operations is normal.
- Built-in accumulator is intended for correct video recorder closure. Video recording in regular mode and parking mode is possible only with external power source connected.

Производитель оставляет за собой право вносить изменения в комплектацию, технические характеристики и программное обеспечение устройства без предварительного уведомления.

[Short description]

Neoline X-COP R750 is intended to ensure your safety when driving. Most police radars and stations equipped with radar detection complexes are located on busy city roads and high-speed suburban highways with speed limits. Therefore, even if you do not know about this or the traffic sign is absent, you will always be warned to avoid violation of traffic rules.

   Integrated GPS and GLONASS modules enable detection of police radars with the preset coordinates to ensure safe driving.

   Hidden radar detection unit is equipped with an ultra-sensitive long-range EXD module to ensure high level of radiating system detection. Dash camera shows the current detected frequencies and types of speed/traffic rules control complexes, while the most advanced integrated Z-signatures anti-false alert filtration system prevents you from being distracted with extraneous signals that are similar to police radar frequency.

   Ambarella video processor and the best new-generation sensor by SONY ensures high-quality stable recording at a speed up to 120 km/h (also at night).

Video recording quality depends also on camera lenses in front of the sensor. In our case, it is a set of six glass lenses that guarantee clear Full HD picture

Please note: availability of GPS/GLONASS modules is essential for detection of police cameras that use video units only, such as «Trip track» system or a certain type of Strelka-video unit cameras, since they do not send out any radio signals and may be detected with the preset GPS coordinates only. In addition to that, GPS and GLONASS modules show the speed in a video file and make it possible to view the route in X-COP Player using your PC.

[Special characteristics]

Easy to use
- WiFi connection to Android and iOS smart phones
- Copying video records to smart phone memory
- Wireless connection of a dash camera to a radar detection unit hidden under the motor hood
- External GPS antenna for vehicles with athermal or heated windscreens
- Neoline Easy Touch Plus interface
- Intuitive touchscreen control.
- Ergonomic positioning in the cabin.
- Smart Click Plus active charge mounting with 3M adhesive tape.

- Quick access to main settings and functions from main screen.
- Playing/locking/rewinding videos on device screen.
- Software and GPS database updates through mobile app and MicroSD memory card

Specifics of police radar and camera GPS detecting
- Wireless radar detector unit mounted under hood.
- Extra sensitive long-range EXD radio module
- Z-signatures anti-false alert filter.
- Z-signatures anti-false alert filtering modes: Maximum / Minimum
- GPS module, police radar and camera database for 45 countries.
- Alerts about all types of fixed police radars, including Arrow, Robot, Cordon, Kris, Arena etc.
- Sensitivity modes: City / Highway / Turbo / X-COP
- Alerts about traffic control cameras:
    - photographic evidence "in the back"
    - roadside driving
    - bus lane
    - crossroads
    - traffic lights
    - pedestrian crossings

- Intellectual processing of Trip Track cameras.
- On/Off for separate types of GPS spots:
  - traffic control post
  - police radar dummy
  - Trip Track cameras
  - Arrow radar, video block
  - Arrow radar
  - Fixed radars and cameras

- Voice alerts about 45 types of fixed radars.
- Display notifications about current distance to police radar / speed / speed limit / average speed / signal power / police radar name
- Sound alerts.
- On/Off GPS alerts.
- Silence mode.
- GPS priority.
- Legal overspeed setting.
- Maximum speed.
- Auto-mute.

- Add/Remove Dangerous and False zones.
- Setting range for Dangerous and False zones.
- 3 settings for GPS alert distance:
  - by value in GPS database
  - by value in settings
  - by current speed

- Detection range up to 2.5 km.
- VG-2 Spectre 4 counter-detection system

Main features of dash camera
- Realistic and clear video with maximum details, day and night.
- Intellectual glare- and sunray-suppressing mode.
- Bright and sharp image on display.
- Image and display brightness adjustment.
- Browsing/locking/rewinding videos on device screen.
- Zoom-in function for video review.
- Three recording modes (standard, emergency, parking mode).
- Two screen modes with odometer and current time.

- Parking mode.
- Recording in Parking mode.
- Volume adjusting (nine levels).
- Cabin sound recording.
- Charge indicator.
- G-sensor and motion sensor.
- X-COP Player to replay videos on PC.
- Russian and English support,
- Memory card support: MicroSD (SDHC U3: 2 Gb ~ 32 Gb, SDXC 64 Gb ~ 128 Gb), class 10*.
- Demo mode.
- Input voltage: 12–24 V.

* Use only trusted MicroSD cards from proven manufacturers; poor-quality memory cards may cause system instability and device damage.

[Specifications]

Car Blackbox specifications
- Processor : Ambarella A7LA55
- Resolution : 1920*1080 (real Full HD) / 1280*720(HD)
- Image Sensor : IMX322LQJ (Sony)
- Optical Lens : 57.4º(V) * 108.5º(H) * 129.7º(D), All glass
- Display : 2.8 inch IPS LCD with full touch screen (240 * 320 resolution)
- Back-up battery : Li-polymer battery (220mA, 5C, 3.7V)
- Video format : MP4
- Recording frame : 30fps
- Driving recording time : recording 1 minute, 2 minute, 3 minute, 5 minute
- Event recording time : before 10 seconds ~ after 50 seconds, total 1 minutes
- Storage : Micro SD Card (SDHC U3 2GB ~ 32GB, SDXC U3 64GB ~ 128GB)
- 3-Axis G-Sensor

Radar specifications

- Ultra-X and Ultra-K Band
- X-Band (10.525GHz +/- 50MHz)
- K-Band (24.150GHz +/- 100MHz)
- KA-Band (34.70GHz +/- 1300MHz)
- Laser Band (800nm ~ 1100nm)
- Strelka detection with signal strength level indication (24.150 GHZ)

GPS specifications

- GPS Module : MK-120G (Ublox8 Glonass)
- Patch antenna (13mm * 13mm)
- Hot start time : < 1 second
- Cold start time : < 35 seconds

Characteristics

- Input voltage : DC 11V ~ 28V
- Remote Current consumption : 110mA ~ 130mA
- DVR Current consumption : 220mA ~ 320mA
- Dimension : 52(L) * 90(W) * 76.5(H)
- Operating Temperature : -20°C ~ 70°C

[Devices & Accessories]

1. X-COP R750 unit
2. Remote Radar unit
3. Wind-shield mounting holder with suction-cup - Optional
4. Wind-shield mounting Power holder with 3M Tape
5. Cigarette power cord (DC12V ~ 24V)
6. All times power cable (DC12V ~ 24V)
7. External GPS antenna
8. Cord-clip (8PCS)
9. Micro SD card (32GB, U3, Class10) with Adapter
10. Micro SD Card USB Reader
11. CPL Filter 37mm – RISE(UK)
12. Quick Splice Connectors (3PCS)
13. Bracket supporter
14. Bracket
15. Screw & Nut set — T5.0x20.0 screw(x4), spring washer(x7), washer(x7), nut(x7), M5.0x12.0 screw(x7), T4.0x10.0 screw(x2), T4.0x14.0 screw(x2), T4.0x16.0 screw(x2)
16. Travel Case
17. Radar to Battery Cable

The following items are included in the packaging.

[Installation]
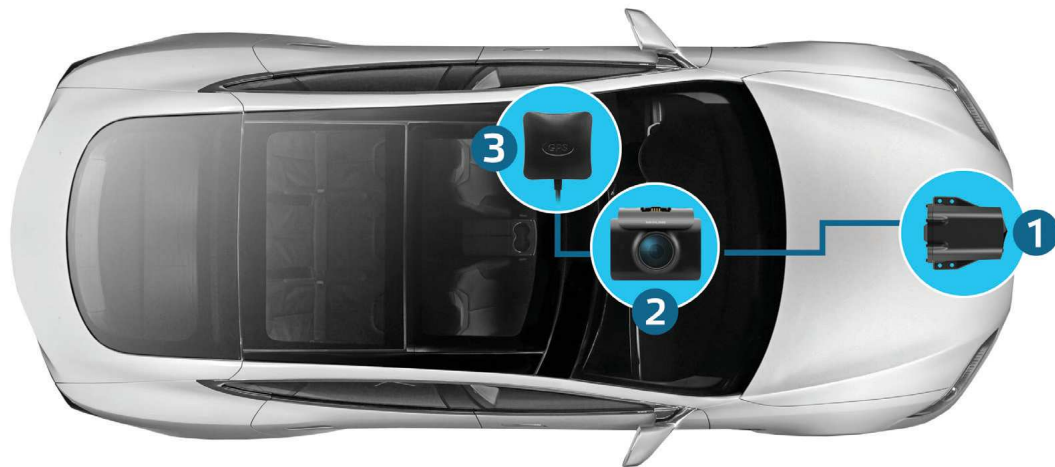
ATTENTION! Non-professional installation of Neoline X-COP R750 hybrid components with one's own efforts may lead to improper operation of this device or vehicle, up to complete inoperability. If you do not have the skills required for installation of electrical equipment in a vehicle, please apply to a service center*.

ATTENTION! Inoperability of this device caused by improper installation may lead to cancellation of Neoline X-COP R750 warranty obligations.

* The list of service centers is available on www.neoline.ru (section X-COP R750).

Radar detector unit installation

ATTENTION! For safety reasons, disconnect the battery terminals of your vehicle before installation!

Take the radar detector unit, hardware kit (if necessary) consisting of a metal plate and anchoring platform, and a set of screws and nuts.

PLEASE NOTE: prior to installation of the radar detector unit, find a place for it under the hood. Make sure that the available free space enables horizontal positioning of the unit, and the antenna is not covered by car body elements.

ATTENTION! Do not install the radar detector unit behind metal surfaces (load-bearing car body elements, radiator, metal gauze etc.), because this may lead to bad reception of radio signals coming from police and laser radars. Installation behind plastic elements (inside the bumper, behind the aerodynamic cowl panels etc.) may also lead to deterioration of radar signal reception and impossibility to detect laser radars!

It is recommended to install the radar detector unit under the hood, behind the radiator grille

- If necessary, ensure access to the installation place (information about the proper way to remove car body elements and/or any other components should be available from the manufacturer).
- If necessary, make mounting holes for the anchoring platform (in some car models the radar detector unit may be fixed to the car body without the anchoring platform).
- Use screws and nuts to fasten the anchoring platform securely.
- Mount and secure radar block on fixing pad.
- Connect radar block power cable to car network and radar block

Note: to avoid damaging cable jacket, lay it away from overheated engine surfaces. Avoid cable kinks and step aside from moving engine elements.

• Fix cable with clips and fasteners.

Mounting spot on windshield

• Position the device so that it is in the middle of windshield, slightly lower than rearview mirror, in order not to block the display. See the image for directions.
• Such installation requires minimum space on windshield, doesn't obstruct the view, the device is within easy reach.

Optional mounting spot on dashboard

You can place the device directly on dashboard, rotating it by 180 degrees. You need to rotate the device first, and then turn it on. Thus, the image and all icons will be displayed correctly.

You should use 3M tape to attach the device to dashboard. Windshield and dashboard mounting technique are described below.

Mounting technique

- Take the Smart Click Plus mounting Power holder with 3M tape from the box.
- Put the free end of the holder into the special opening at the top of X-COP R750 unit.
- Choose the mounting spot on windshield.
- Attach the device to windshield or dashboard using the Smart Click Plus mounting Power holder with 3M tape. Pre-select the exact mounting spot, as the holder is equipped with single-use 3M tape.

Коннектор

NEOLINE

Коннектор

Гнездо питания

- X-COP R750 unit should be mounted in a way to allow the camera capture image in proportion "30% sky, 70% road", to achieve better recordings.
- Connect the power cord 12-24V to cigarette lighter socket and Smart Click Plus holder.

Adjusting antiglare filter

Antiglare filter (CPL) is designed to reduce sun glares on recorded image. Glares are also often re-reflected from car encasing to windshield. Besides, antiglare filter drastically improves contrast of videos.

Antiglare filter is installed above the camera lens, threadedly. To adjust it, rotate the filter until you see minimum glares on screen.

We recommend using the antiglare filter only in daytime, as it can darken the image too much.

Power cable installation

Cigarette power cord

The following installation of Cigarette power cord is recommended for the cable not to disturb driver's vision.
It is helpful to use the cord clips to fix the cable during installation.
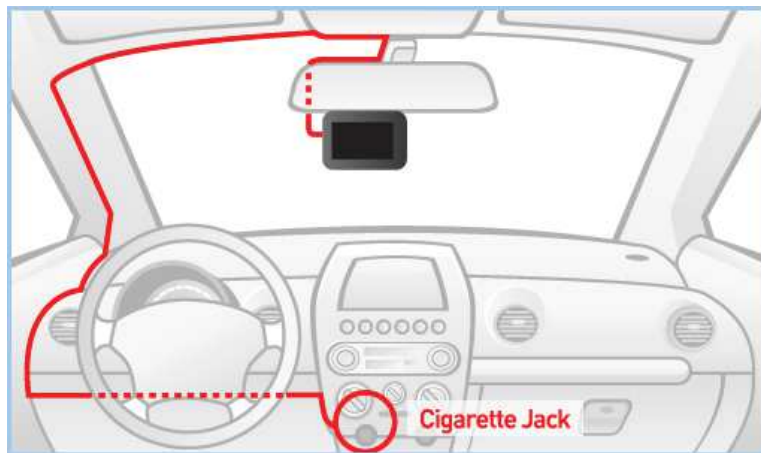
All times power cable

- Connect the cable to the fuse box as like the following picture.
- How to connect it to fuse box is as follows:
  - Connect the BATT(+) terminal of the cable to the fuse fuse box +12 V.
  - Connect the ACC terminal of the cable to the fuse of Cigar Lighter in fuse box.
  - Connect the GND(-) of the cable to ground of the car.
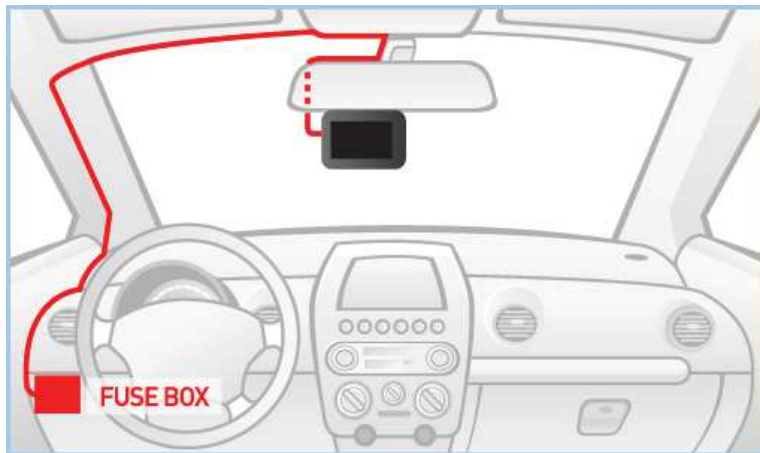
Diagram for connecting power cable to car network (Neoline Fuse Cord 3 pin)

GND

ACC

ACC(+12V)

B+

+12V

2A
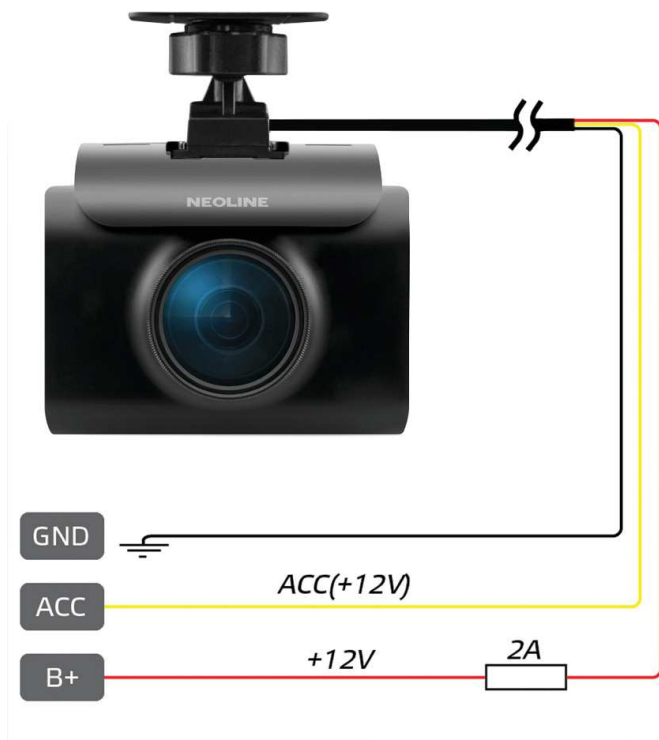
External GPS antenna installation

Take external antenna from the kit.

NOTE: before mounting the antenna choose a proper spot in your car and attach the antenna with a magnet or double-sided tape. Make sure that the top side (black plastic cover) is directed outwards and to the sky.

ATTENTION! Do not mount the GPS antenna behind metallic surfaces – it can reduce satellite search abilities and cause incorrect functioning of GPS module. Stable functioning of GPS module is totally linked to proper mounting place for antenna.

Recommended mounting spots for external GPS antenna:
- on dashboard, as near to windshield as possible
- behind rearview mirror
- under decorative panels of a front pillar
- for cars with athermal or heated windshields, antenna should be mounted to a special radiotransparency window on windshield, free of metal lath or spattering
- inside bumper
- in special cases GPS antenna can be mounted outside of cabin

External GPS antenna is mounted on built-in magnet to pillars and other cabin elements. In other cases and to assure extra safety, use double-sided 3M tape. Connect antenna to dash camera using connection cable and special jack.

ATTENTION! Installing Neoline X-COP R750 radar detector unit, dash camera and external GPS antenna, don't forget that elements shouldn't block visibility or become potential trauma source in case of accidents.

Device is installed and ready for use.
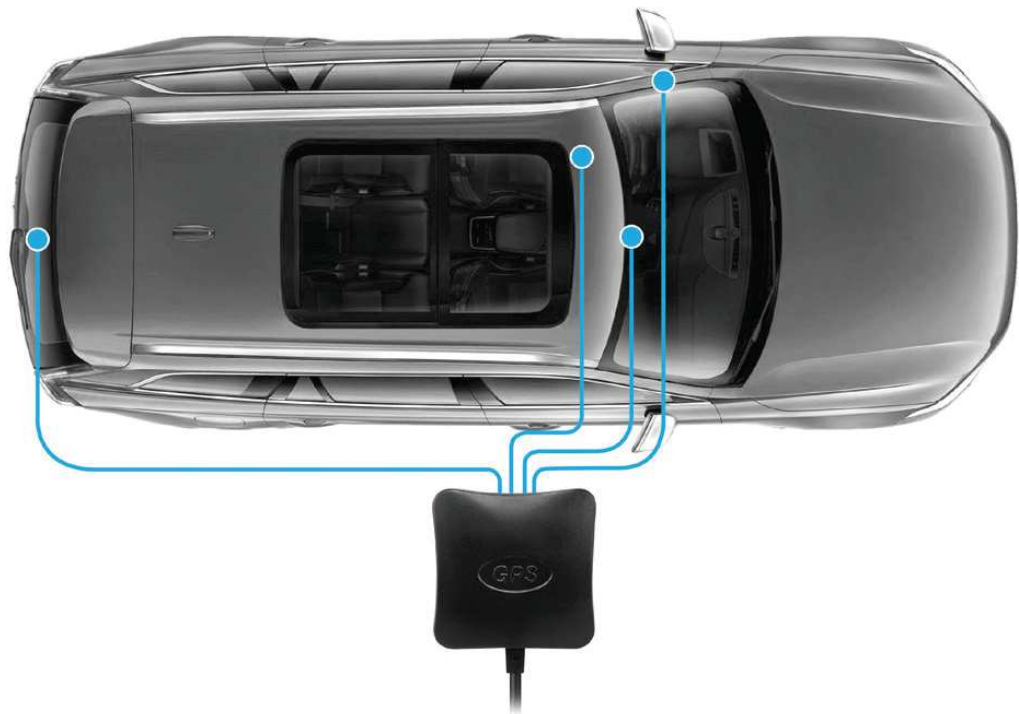
[Operation]

Buttons

POWER Button

Press and hold POWER button for two seconds at power Off condition and it becomes power On.

Press and hold POWER button for two seconds at power On condition and it becomes power Off.

REC Button

Press "REC" button shortly at power On(=power cable is connected) condition and the manual recording will be done. The manual recording will be before 10 seconds ~ after 50 seconds.

Press "REC" button at power On(= power cable is not connected) and the current screen will be captured. This captured screen will be stored at the "Event" folder of SD card and the image resolution is 1920*1080 pixels.

RESET Button

X-COP R750 uses a battery so that there may be a case of system down unexpectedly.

In this case, you can re-booting by pressing the RESET button and then pressing the power button for two seconds.
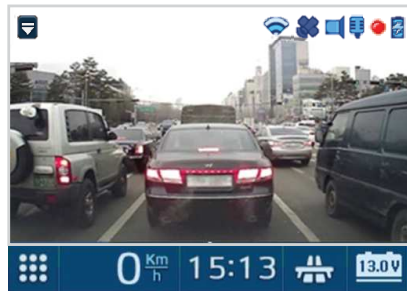
REC Button

POWER Button

RESET Button
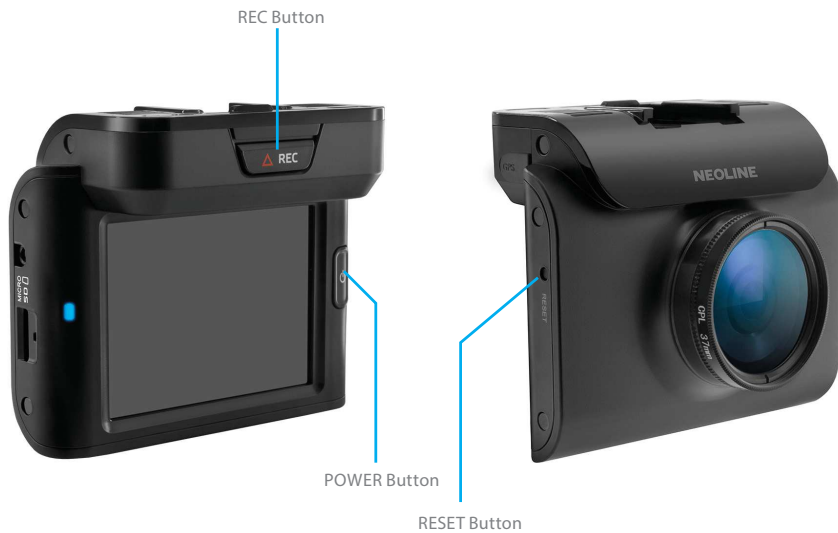
Power On and Off

X-COP R750 will power On when user starts car engine or presses the power button for two seconds and will show the following start-up image and then become a normal screen as follows.

(LOGO display)

(normal screen)

X-COP R750 will power Off when user turns off the car engine or presses the power button for two seconds. When user does the power off by pressing Power button, the display will show LOGO and then be off.

All times display(Normal Screen)

Normal screen is composed for user to understand and operate easily.
Please see the explanations about each icon on the screen as follows.

(Normal Screen)

1. Quick Icon
If user touchs this quick icon, 7 Icons are displayed as shown below:

a. Recording ON/OFF (Operation by touch)

ON   OFF

b. Audio recording ON/OFF (Operation by touch)

ON   OFF

c. Volume Up/Down (Operation by touch)
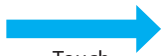
Touch

d. User location Addition/Deletion (Operation by touch)

User location Addition
Touch this icon at the condition of no user location alert and pop up window with "Add User Area?" will be appeared. And then touch "Yes" and the User location will be added. At maximum, 400 user locations can be stored.

User location Deletion
Touch this icon during User location alert and the pop-up-window with "User area will be deleted OK?" will be appeared. And then touch "Yes" and the user location will be deleted.

e. Silence zone Addition/Deletion (Operation by touch)

False zone — the area where wide band signals (including false signals) are detected by the radar detector unit, but the police radar is absent. Such zones are typical for gas filling stations and shops with automatic sliding doors.

　　When in the false zone, only GPS warning (not the incoming signal warning) is possible.

　　As soon as the signal is detected, touch the icon and the current zone will be marked as false, with the respective icon shown on the display.

　　When entering the False zone, touch the icon to **delete** the False zone**.**

f. City/Highway/Turbo/X-COP mode(operation by touch)

Touch this icon and the mode will be changed by this order like Highway -> Turbo -> X-COP -> City.
During mode change, each voice and icon are shown and heard.

(City)　(Highway)　(Turbo)　(X-COP)

Each mode is as follows.

- Turbo mode : Fullest sensitivity
- Highway mode : Full sensitivity
- City mode : Sensitivity 20dBm down from Highway mode
- New X-COP mode

City mode 🏙 — low detection sensitivity. This mode enables significant reduction of false signals coming from the sources listed below:

- interior blind area sensors
- automatic sliding door open sensors
- mobile base stations
- traffic sensors
- additional interior electronic devices (including GPS modules, radar detector units, mobile phones etc.)
- high-voltage power transmission lines

It is recommended to use this mode when driving in densely populated areas.

Highway mode 🌉 — standard detection sensitivity. This mode enables the detection of police radars at a higher distance as compared with City mode, but provides less protection from interference signals.

It is recommended to use this mode when driving outside of the population areas.

Turbo mode 🏙 — maximum detection sensitivity/ distance with low protection from interference signals.

This mode combines perfectly with long-range EXD radio module built into X-COP R750 unit

g. All Radar ON/OFF (Operation by touch)

ON   OFF

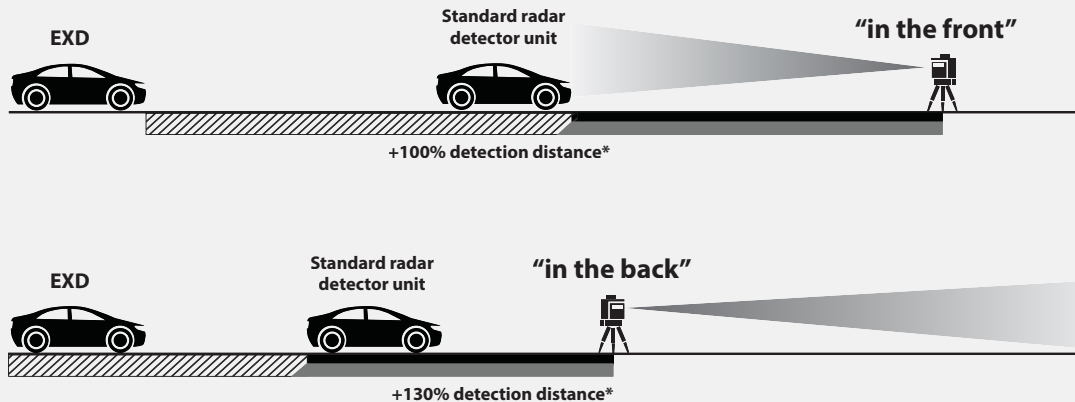**h.** Wifi ON/OFF (Operation by touch)

ON   OFF

Long-range EXD radio module – a unique tool developed by Neoline. If combined with Turbo mode, Neoline X-COP R750 hidden hybrid fully unlocks its potential in terms of police radars detection distance, including low-powered radars "in the back".

It is recommended to use this mode only when driving outside of the population areas.

EXD

Standard radar detector unit

"in the front"

+100% detection distance*

EXD

Standard radar detector unit

"in the back"

+130% detection distance*

* Maximum distance benefit as compared with the standard radar detector unit

X-COP mode — automatic switch between "City/Highway" sensitivity modes and Z-signature filtration modes* depending on the vehicle speed.

Traffic conditions	Speed, km/h	K band	S band	Mode	Filter Z signature	Announcement
Small residential settlements	0-40	Off	Off	City	MAX	No Beep and no Voice. Only display
Small residential settlements	41-60	On.	On	City	MAX	All announcements
Big cities and residential settlements along the highway	61-80	On	On	City	MIN	All announcements
Big cities and residential settlements along the highway	81-110	On	On	Highway	MIN	All announcements
Main roads and autobahns	110-130	On	On	Turbo	MIN	All announcements
Main roads and autobahns	130+	On	On	Turbo	Off	All announcements

*See Z-signature filtration modes below

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2. Menu (Operation by touch)

Touch this icon and it enters into the Setting mode.
At Setting mode, settings for Blackbox/GPS/Radar and
playing the recorded video are available.
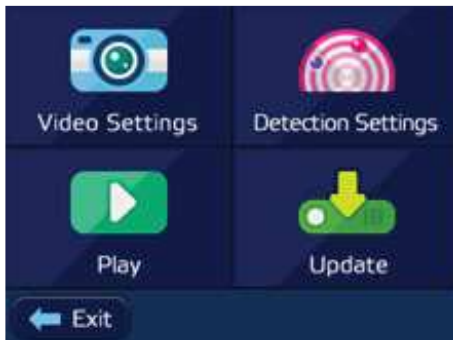
3. Speed display
It shows the current car speed

4. Time
It shows the current time

5. City/Highway/Turbo/X-COP mode
It shows the Mode

6. Battery voltage
It shows the battery voltage

7. ON/OFF Status

• Wifi status
It shows the Wifi ON/OFF status. If Wifi OFF, do not show
icon

• GPS status
It shows the GPS connection/disconnection status

- Sound status

It shows the Sound ON/OFF status

- Voice recording status

It shows the voice recording ON/OFF status

- Recording status

During recording, the icon is blinking 🔴

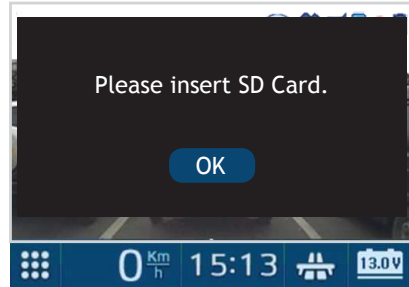At no recording status, the icon is not blinking.

If there is no SD Card, the icon is not indicated

- battery recharge

It shows the battery charge level

In case there is no SD card.

In case there is no SD card in SD slot, "Please insert SD card" text and two Beeps will be shown and heard.

Please insert SD Card.

OK

0 $\frac{Km}{h}$ 15:13 13.0V

Z-signatures anti-false alert filter

The unique technology developed by Neoline to reduce the number of false responses. Timely detects and blocks false signals coming from blind area sensors in vehicles equipped with Blind Spot Monitoring, Side Assist, Blind Spot Detection and other systems.

Significantly reduces the number of false signals coming from the following sources:

- automatic sliding door open sensors
- mobile base stations
- traffic sensors
- additional interior electronic devices (including GPS modules, radar detector units, mobile phones etc.), high-voltage power transmission lines

The significant benefit of this technology as compared with others is that Z-signatures anti-false alert filter, when used, does not block real police radars, including, among other things, the following:

- *Fixed and mobile KRIS-S/KRIS-P complex*
- *Fixed and mobile ARENA complex*
- *KRECHET complex for filtration of road traffic offenses*
- *KORDON photo-radar complex*

It is recommended to use this mode when driving in densely populated areas.

ATTENTION!   Z-signatures anti-false alert filter is not active with Turbo mode.

There are two Z-signature filtration modes:

- Maximum Z-signatures anti-false alert filter. Values: OFF/0-130 km/h
- Minimum Z-signatures anti-false alert filter. Values: OFF/0-250 km/h

Max Z-signatures anti-false alert filter – maximum Z-signature filtration level.
Timely detects and blocks false signals coming from interior blind area sensors and prevents maximum number of other false responses. At that, the detection distance with regard to real police radars is lower as compared with the minimum Z-signature filtration mode. If combined with City mode, ensures maximum filtration of false responses.

This filter switches on automatically depending on the vehicle speed. Use the Menu to set the speed for maximum Z-signatures anti-false alert filter (from 0 to 130 km/h).

Min Z-signatures anti-false alert filter – minimum Z-signature filtration level.
Timely detects and blocks false signals coming from interior blind area sensors and prevents significant number of other false responses. At that, the detection distance with regard to real police radars is higher as compared with the maximum Z-signature filtration mode. If combined with Highway mode, enables sufficient filtration of false responses and high detection distance.

This filter switches on automatically depending on the vehicle speed. Use the Menu to set the speed for minimum Z-signatures anti-false alert filter (from 0 to 250 km/h).

ANTTENTION!

You can engage Maximum and Minimum filters at once, still, when Maximum Z-signatures anti-false alert filter is on, speed on Minimum filter cannot be set lower than hump speed of Maximum filter, for example: Max. Z-signatures anti-false alert filter is on, set for 0-70 km/h, so the speed for Min. filter can be set for 70 up to 250 km/h (not lower than 70 km/h).

NOTE

- Z-signatures anti-false alert filters don't operate in Turbo mode
- In X-COP mode Max. Z-signatures anti-false alert filter is automatically engaged while driving at 0 to 60 km/h
- In X-COP mode Min. Z-signatures anti-false alert filter is automatically engaged while driving at 61 to 130 km/h
- If you don't use X-COP mode, you are recommended to set Max. Z-signatures anti-false alert filter for 0 to 70 km/h and Min. filter for 70 to 11 km/h. Don't forget to use City sensitivity more when driving in highly-populated areas and Highway mode when out of city
- Mode switching for Z-signatures anti-false alert filters takes 3 seconds.

Parking mode

During parking (or stop) condition, if the unit recognizes any shocks with car or any motions in front of car, it starts recording automatically.

It enters into the parking mode as the following cases.

Mode setting : OFF
Never enters into Parking mode, and when car engine is off, the unit will be power-off also.

Mode setting : ON
When Car Engine is Off, the unit enters into the parking mode immediately.

Mode setting Time (1, 5, 10, 15, 20, 25, 30 Min)
When Car Engine is Off, it enters into the parking mode after setting time automatically.
If Car does not move for the setting time (even engine is on), it enters into the parking mode.

Recording time at Parking mode

At Parking mode, when there is any event like any shock or any motion in front of car, the video before 10 seconds and after 50 seconds from the event will be stored at "Event" folder.

Video resolution and frames at Parking mode

The Video resolution at parking mode will be recorded as you set at Setting mode -> Blackbox setting -> Resolution.
Resolution to be able to set : 1920*1080 (real Full HD) / 1280*720(HD)
Recording frames: 15fps

Power saving at Parking mode

When the voltage of car battery becomes lower than 11.3V, X-COP R750 will be power off even at parking mode to prevent the car battery from being discharged.
.

Mute

BJust touch the alerting screen for Mute On/Off.

In Mute On, there is no voice alert and beep sound and automatically Mute Off in 4 seconds after finishing the alert.

Touch the Radar Alert display for Mute On/Off

Touch the GPS alert display for Mute On/Off

Touch any of Radar alert display or GPS alert display during both alerts at once for Mute On/Off

Auto mute

At Auto mute On, the volume level will be decreased 50% in 6 seconds after starting Radar or GPS Alert. Auto Mute is automatically off in 10 seconds after finishing the alert.

Voice On/Off

Voice is heard at Voice On and no voice at Voice Off mode.

Beep On/Off

Beep alert sound is heard at Beep On and no beep sound at Beep Off mode.

Radar band On/Off

All Radar bands(X, K, Ka, Laser, Strelka) can be set On/Off separately.

- X Band On/Off
- K Band On/Off
- Ka Band On/Off
- Laser Band On/Off
- Strelka On/Off

Touch calibration

Please do the Touch calibration at Menu If the touch screen operation is not done correctly.
Touch Calibration process is as follows.
Menu->Blackbox setting->Touch calibration, "Do you want to do touch calibration?" is shown.
If you touch "OK", it will changed to Touch calibration screen.
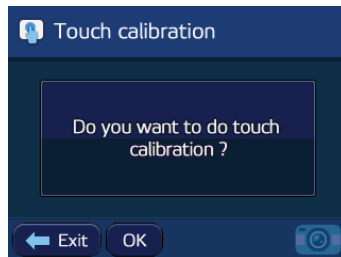
Click "+" with sharp stick at the following screen

Touch with sharp stick.
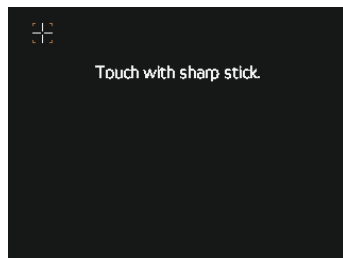
Click "+" part several times with sharp stick and "Are you sure to apply new settings?" is shown.

If you want to store the new setting, please touch "Yes". If you want to return to the previous stored setting, please touch "No".

Are you sure to apply new settings?

OK   No
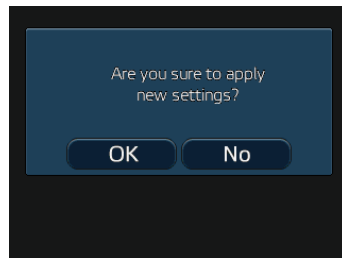
Blackbox firmware upgrade

Firmware upgrade can be done by using SD card.

  Firmware upgrade order is as follows.

1. Download the latest firmware of X-COP R750 from Neoline homepage.
2. Connect SD card to PC.
   When connects to PC, please use the micro SD card Adaptor which is included in the packaging.
3. Copy the firmware file and paste it to root directory of SD Card.

At this moment, the name of the firmware file must start with "X-COP R750" and the file format must be ". Bin".
(For example : "X-COP R750 _BB(REVM1)_1.1.31.bin")
If the file name and format are not correct, the upgrade is not available

4. Remove the SD card from the PC and then insert it into the SD slot of X-COP R750.
5. Power On X-COP R750.
6. Click Menu->Update.
   Touch "OK" when the following is shown
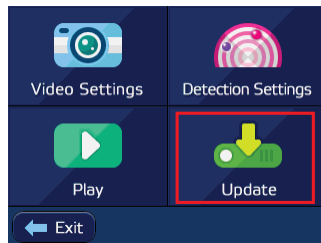
7. The screen is changed to the screen for Firmware upgrade and the upgrade starts.
   The process of upgrade is as follows.
   If there is no firmware file, "Firmware file is not found" text will be shown on the screen.
8. The power of X-COP R750 will be Off and then On automatically once the Firmware upgrade is completed.
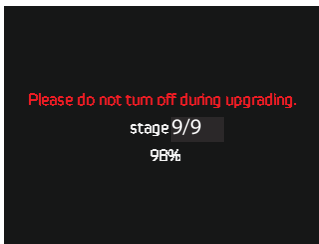
9. X-COP R750 hybrid switches off automatically and then switches on again as soon as the update process is over.
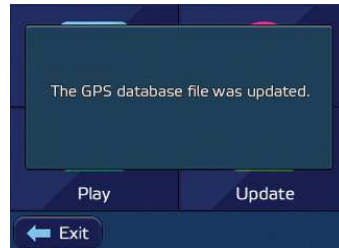
When updating GPS database, you do not need to install the firmware each time. The update process takes 3 seconds at the longest.

ATTENTION! When updating the database, do not disconnect the power cable from the device; do not interrupt the update process; do not press the buttons – this may result in update errors and X-COP R750 failure!

This device is not compatible with other models' firmware!

SD card format

X-COP R750 can do the SD card format differently from normal format only in PC.
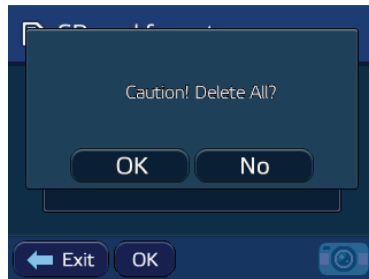
If you do the SD card format, all data in the SD card memory will be deleted. So, please back-up important data before formatting.

SD card format process is as follows

1. Click Menu->Blackbox setting->SD card format and "SD card will be formatted. Are you sure?" is displayed
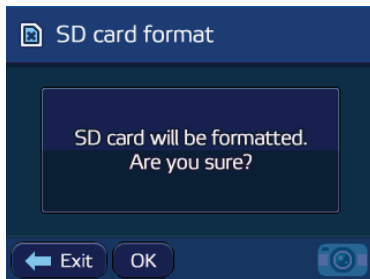
2. Touch "OK" and "Caution! Delete all?" will be pop-up as below


3. Touch "Yes" and the format of SD card has been completed

Database update

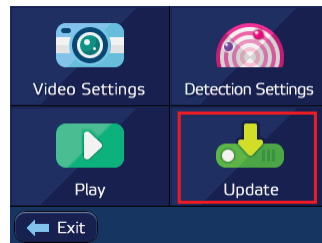X-COP R750 can update the database by using SD card conveniently.

The process of Database update is as follows.

1. Download the latest database file of X-COP R750 from Neoline homepage.
2. Connect the SD Card to PC by using the micro SD card adaptor which is included in the package.
3. Copy the database file and paste it to the root directory of SD Card.
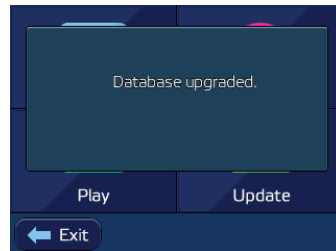   At this moment, the file name of the Database file must be "xxxxxx.db."
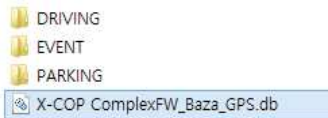
4. Remove the SD card from the PC and then insert it into the SD slot of X-COP R750.
5. Turn on the power of X-COP R750
6. Click Menu-> Update

7. The following pop-up of "Database has been updated" will be shown when the database update has been completed.

Radar firmware upgrade

X-COP R750 can upgrade the firmware of Radar module conveniently by using the SD card.

The process of Radar module upgrade is as follows.

1. Download the latest radar firmware of X-COP R750 from the Neoline homepage.
2. Connect the SD card to PC by using the micro SD card adaptor which is included in the package.
3. Copy the radar firmware file and paste it to the root directory of SD Card.

    At this moment, the file name of radar firmware must start with "X-COP R750" and finish with "xxxxxxxx.rd0".

    (for example. "X-COP R750 _RD(RevM02).rd0")

    If you do not meet these requirements for the file name, the firmware upgrade can't be done.
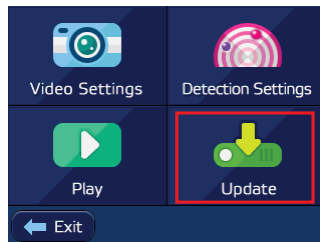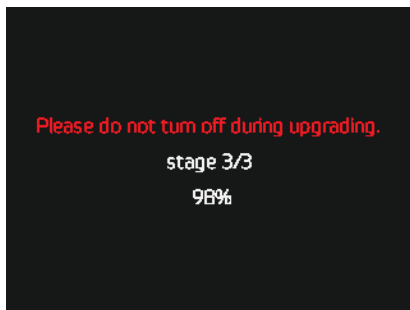

4. Remove the SD card from the PC and then insert it into the SD slot of X-COP R750.
5. Turn on the power of X-COP R750.
6. Click Menu-> Update

7. The Radar firmware upgrade will be processed with the upgrade screen as below.
   If there is no Radar firmware file, the screen will show "Radar firmware is not found".

8. The screen will return to the previous Setting screen once the Radar firmware upgrade has been completed.

Radar alert

X-COP R750 uses 2.8inch IPS LCD so that it helps to show the Radar alerts effectively for safety driving.
The Radar alert display is as follows.
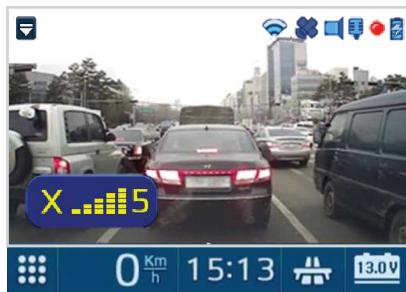
Band identification

The following each radar band is displayed when any of radar band is detected:

 — X Band

 — K Band

 — KA Band

 — Strelka

 — Laser

Signal strength meter

The received signal is divided from Level-1 to Level-5 according to the strength.

The higher level has shorter beep sound.

The interval of each strength level is as follows.

Level	Interval (sec)
1	1.5
2	0.9
3	0.6
4	0.3
5	0.15

The Signal strength level will be displayed as like the following picture

Voice alert

Voice alert will be announced when the radar signal strength reaches level 3.

The voice for each Radar band is as follows.

Voice message for X or K or Ka or Laser alert

"Speed control"

Voice message for Strelka alert

"Radar Strelka"

GPS alert

X-COP R750 has GPS POI(Point Of Interest) feature.

The kinds of POI which X-COP R750 can detect are as follows.

Strelka, Speed control, DPS post, Dummy, Strelka Video blocks, Video control is completed !, Average Speed Control, Stream, Robot, Kris, Arena, Vizir, Binar, Trukam, Argus, Krechet, Iskra, Radis, Berkut, Mesta, Ramet, Python , Speedgun, Multanova, Redspeed, Amata, LISD, Vocord, Rapier, PKS, Autoscan, Odyssey, Sova, Auto Uragan, Cordon, Harpoon, Azimuth, Roadscan, Sprinter, Integra, Sphinx, Photofinish, Scat.

Detection distance

The GPS detection distance of X-COP R750 are different by set in the menu.

1. **When distance is set by GPS DB,** detection distance is referenced in database.
2. **When distance is set by 500m ~ 900m, this value is detection distance:**
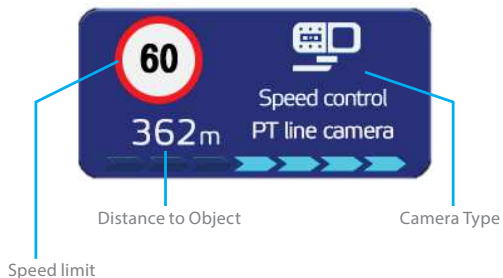
   300 м / 400 м / 500 м / 600 м / 700 м / 800 м / 900 м

3. When distance is set by car speed, detection distance is as below:

Car Speed, km/h	Distance, m
0 ~ 60	600
61 ~ 70	650
71 ~ 80	700
81 ~ 90	750
91 ~ 100	800
101 ~ 110	850
110 ~	900

Alert operation

X-COP R750 will give the voice announcement for the detected GPS POI and display the alert on LCD screen at once

Distance to Object

Camera Type

Speed limit

The Alert display on the LCD screen is composed of the image for each POI, the remaining distance to the POI, and the speed limit of the road as like the following picture

Video surveillance alert

In case of Video surveillance alert display, it shows an average speed differently from other types of POI.

It shows the remaining distance up to Camera start point as like the following picture and then the average speed when it passes through the Camera start point.

(Display distance to the start point)

Distance display

Averaging speed
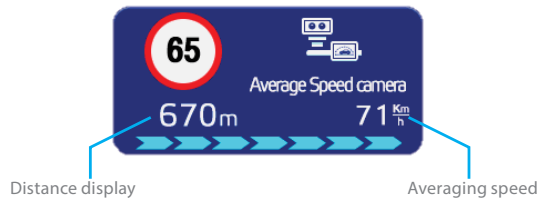
Intellectual processing of Trip-Track cameras

TRIP TRACK system — This system consists of 2 cameras installed at the road section within the distance of 500 m —10 000 m from each other. 1st camera captures drive-through time. 2nd camera also captures drive-through time and calculates average speed. If average speed on the road section was higher than speed limit, the system gives ticket automatically.

   Trip Track cameras detected, X-COP R750 processes the system as follows:

Distance to Object   Averaging speed

Displays distance to 1st camera and gives voice alert
After the 1st camera is passed, displays distance to 2nd camera
Information about current average speed will be displayed alongside with distance to 2nd Trip Track camer
If current average speed exceeds speed limit, voice alert is given
After the 2nd camera is passed, dash camera gives voice alert that video control is over
If you pull off the road section between cameras, X-COP R750 discards Trip Track notification
When car stops at the road section between cameras, average speed will be still displayed

Types of police radars and traffic control cameras

Camera type	Icon	Voice alert
Strelka		Strelka radar
Strelka video block		Strelka video block
Fixed / Low-duty radar		Speed control
Average Speed control (1 camera)		Average Speed control
Average Speed control (2 camera)		Control is over
Dummy		Radar system dummy

Camera type	Icon	Voice alert
Stream		Stream radar system
Robot		Robot radar
Kris		Kris radar
Arena		Arena radar
Visir		Visir radar
Binar		Binar radar
Truecam		Truecam radar
Argus		Argus radar
Gyrfalcon		Gyrfalcon radar
Spark		Spark radar
Radis		Radis radar
Berkut		Berkut radar

Camera type	Icon	Voice alert
Mesta		Mesta radar
Ramet		Ramet radar
Python		Python radar
Speedgun		Speedgun radar
Multanova		Multanova radar
Redspeed		Redspeed radar
Amata		Amata laser radar
LISD		LISD laser radar
Vocord		Vocord radar complex
Rapier		Rapier radar complex
PKS		PKS radar complex
Autoscan		Autoscan radar complex

Camera type	Icon	Voice alert
Odyssey		Odyssey radar complex
Sova		Sova video control
Avtouragan		Avtouragan photo complex
Cordon		Cordon radar
Harpoon		Harpoon radar
Azimuth		Azimuth complex
Roadscan		Roadscan radar
Sprinter		Sprinter radar
Integra		Integra complex
Sphynx		Sphynx complex
Photofinish		Photofinish complex

Camera type	Icon	Voice alert
Skat		Skat radar
Traffic control post		Traffic control post
Dangerous zone		Dangerous zone

Please note: the police radar warning is accompanied with information about maximum allowed speed on this road segment. For instance: "Strelka radar, 60 km per hour".

Many of the aforementioned police radars equipped with video unit enable control over the observance of **road traffic regulations**:

Road traffic regulations control	Display	Voice recording
Bus lane control		Bus lane control
Crossroad and traffic lights passage/road marking control		Crossroad video control
Crosswalk control		Pedestrian crossing video control
Roadside control		Roadside video control
"In the back" photofixation		"In the back" photofixation

Emergency recording mode

Set sensitivity values for G-sensor. After the response from G-sensor (abrupt acceleration, shock, overturn, road-induced vibration etc.), 10 seconds of video recording before the event and 50 seconds after it will be saved in the EVENT file automatically.

To activate the manual emergency recording mode, press the "Emergency Recording" button. The device will respond with an acoustical signal and a blue LED on the front panel of X-COP R750 will start blinking.

SET mode

How to enter into the SET mode

Touch MENU Button and can enter into the Setting mode with the following screen.

If you want to get out of the setting mode without saving the settings, please touch ←
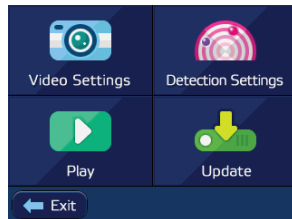
Video Settings

Touch the Video setting icon at the following starting screen of Setting Video Settings mode and can enter into the Video setting.

Touch ← in order to return to Normal screen.

Change the Setting page by touching ^ and ∨.

The explanation about each setting of Video Settings is as follows.

LCD brightness
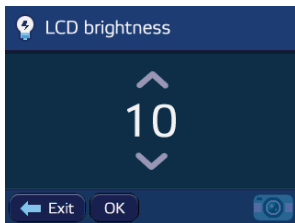Setting the brightness of LCD.
Setting value : 1 ~ 10 (10 is brighter)

LCD backlight time
Setting the LCD screen to be turned off in some time in order to care for LCD screen and help driver's view
Setting value : Off(LCD is always On)/10sec/20sec/30sec/1min

Resolution
Setting the resolution of Recording video.
*Setting value : 1920*1080(Full HD)/1280*720(HD)*

Audio recording
Setting the Audio recording On or Off.
Setting value : On/Off

Video quality
Setting the quality of recording video.
Setting value : Super Fine/Fine/Nomal

Sharpness
Setting the sharpness of recording video.
Setting value : 1 ~ 5 (5 is sharpest)

Contrast
Setting the contrast of recording video.
Setting value : 1 ~ 5 (5 is brightest)

Recording Brightness
Setting the brightness of recording videol.
Setting value : -2.0 ~ +2.0 (2.0 is brightest)

WDR (Wide Dynamic Range)

Automatic brightness setting for the display to be seen better by controlling the background and objective brightness.
Setting value : On/Off

Sensitivity(Driving)
Setting the G-Sensor sensitivity during driving.
Setting value : Off/1 ~ 10(10 is more sensitive)

Sensitivity(Parking)
Setting the G-Sensor sensitivity at Parking mode.
Setting value : 1~3(3 is more sensitive)

Motion detection(Parking)
Setting the Motion detection sensitivity at Parking mode.
Setting value : 1~3 (3 is more sensitive)
If both Sensitivity(Parking) and Motion detection(Parking) set all 'off', the video is to be recorded by Driving mode.

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Parking mode time
Setting value : Off/On/1min/5min/10min/15min/20min/25min/30min

Recording time (Driving)
Setting time for recording video file at the driving mode.
Setting value : 1min/2min/3min/5min

Loop recording (Event)
Setting On: Event recording file will be deleted in order automatically once the file is full.
Setting Off: 'event folder has been full' message will be shown once the file is full and the video will be recorded by driving mode.
Setting value : On/Off

GPS connection announce
When GPS satellite has been fixed, voice will be announced.

Setting value : On/Off

GPS based time
Setting time display by GPS based time or not.
Time will be displayed according to GMT time setting.
(Moscow : GMT + 3)
Setting value : GMT-12/GMT-11…GMT-1/ Off /GMT+1…GMT+12/GMT+13

User date/time
Setting the time display by user.
If the GPS based time is Off, User date/time is applied.

Time stamp
Setting On : the Date/Time will be indicated on the recording screen.
Setting Off: there is no indication.

Speed stamp

Setting On : the Speed will be indicated on the recording screen.
Setting Off: there is no indication.

Speed stamp under 100Km/h
If this setting is On, there will be no speed indication on the recorded screen when the Speed is over than 100Km/h.
When Speed is lower than 100Km/h, there will be a speed indication on the recorded screen.

Screen saver
When LCD display turns off according to the setting for LCD backlight time, the LCD display will be shown Date, Time, and Speed as 50% brightness of setting value.
Setting value : Off/Type1/Type2

LDWS

When the car shifts the lanes during the over speeding, the warning will be announced, and the lane signs in the screen will turn red color.
Off/20~140Km/h

LDWS Setting
LDWS Lane Setting

Wifi SSID
Wifi SSID Setting

Wifi Password
Wifi Password Setting

Night mode
Night mode Setting

Input Car Number
Input Car Number Setting

If you enter car number, the number will be indicated on the recording screen.

Language
Setting the language for the text display.
Setting value : Russian/English

Factory set
It initializes the setting value of Blackbox/GPS/Radar.
Initialized each setting value is as follows.
X-COP Mode
Wifi : OFF
Volume : Level 7
LCD brightness : 10
LCD backlight time : 20sec
Resolution : Full HD(1920*1080)
Audio recording : On
Video quality : Super Fine
Sharpness : 3
Contrast : 3

Recording Brightness : 0.0
WDR : On
Sensitivity(Driving) : 2
Sensitivity(Parking) : 3
Motion detection(Parking) : 3
Parking mode time : 5min
Recording time (Driving) : 1min
Loop recording (Event) : On
GPS connection announcement : ON
GPS based time : GMT+3
Time stamp : On
Speed stamp : On
Speed stamp under 100Km/h : On
Screen saver : Type 1
LDWS : 90Km/h
Night mode : Off
Language : Russian
Auto mute : On
Speed limit for Radar Alert : 60Km/h
Voice : On

Beep : On
GPS alarm : On
Radar alarm : On
GPS Priority : On
Radius of silence zone : 200m
Radius of User Area : 600m
Silence mode speed setting : Off
Legal overspeeding : 0
Maximum Speed Setting : Off
POI detection distance by setting : Set by DB
Filter Z signature MAX : 0~70Km/h
Filter Z signature MIN : 71~110Km/h
X-Band : Off
K-Band : On
Ka-Band : Off
Laser-Band : On
Strelka : On
Police Post : On
Fake radars : On
Autodoria : On

Strelka only videomodule : On
Radar strelka : On
Fixed radar : On

Touch calibration
It is to calibrate the Screen touch.
(Please refer to No.10 Touch calibration in detail)
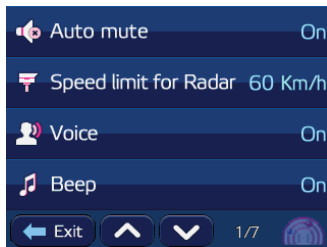
SD card format
(Please refer to No.12 SD card format in detail)

Demo mode

Detection Settings
Touch the Detection setting icon at the first screen of
Setting mode and it enters into the Detection setting
screen as below.

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Each setting of Detection is as follows.

Auto mute
At AutoMute On, the volume level will be decreased
50% in 6 seconds after starting Radar Alert.
Setting value : On/Off

Speed limit for radar alert
In case car speed is lower than set speed, there will be
no radar alert or Voice but just display.
Setting value : Off/10km/20Km…../130Km

Voice
Voice On : Radar/GPS Voice alert is announced.
Voice Off : Only beep alert is heard without Radar/GPS
voice alert.
Setting value : On/Off

Beep
Beep On : Radar/GPS beep alert is heard.
Beep Off : No Radar/GSP beep alert is heard.
Setting value : On/Off

GPS alarm
GPS detection alarm

Radar alarm
Radar gun detection alarm

GPS Priority
When GPS priority is On, GPS alert priority is higher than Radar alert

Radius of silence zone
The detection range of silence zone can be changed.
Set range : 200m/300m/400m.

Radius of User alert zone
The detection range of user alert zone can be changed.
Set range : 200m/300m/400m/500m/600m/700m/800m.

Silence mode speed setting
If car speed is lower than set level, alert voice and beep of Radar/GPS detections are disabled.(Only GPS alert display is enabled)
If car speed is higher than set level, the alert voice, beep and display are enabled.
Set range : OFF/10Km/20Km…130Km

Legal overspeed setting
The set value will be added to the speed limit of GPS POI.
Set range : 0/+5Km/+10Km/+15Km/+20Km/+25Km/+30Km

Maximum overspeed setting (change by DOWN/UP)
If car speed is higher than set value, beeping will be out until speed is lower than set value.
Set range : OFF/80Km/90Km/100Km …. 180Km

GPS POI detection distance setting
GPS POI detection distance can be adjusted by setting range.
When distance is set by car speed, detection distance is as below.

Car Speed	Distance
0 km/h ~ 60 km/h	600 meters
61 km/h ~ 70 km/h	650 meters
71 km/h ~ 80 km/h	700 meters
81 km/h ~ 90 km/h	750 meters
91 km/h ~ 100 km/h	800 meters
101 km/h ~ 110 km/h	850 meters
110 km/h	900 meters

When distance is set by GPS DB, detection distance is referenced in database.

When distance is set by 300m ~ 900m, this value is detection distance.

Set range : By car speed/By GPS

DB/300m/400m/500m/600m … 900m

Filter Z signature Setting

Filter	Description	
MIN	It is current filter Z signature which blocks only car blind zones sensors.	
	Possible settings	
	Off	Filter is off
	0-250 kmh	Filter is On till speed…
MAX	It is the first filter Z signature you provided to us. As you remember it blocks car blind zones and most of other false alerts. But it is also blocks some police radars – Kris, Arena and others.	
	Possible settings	
	Off	Filter is off
	0-110 kmh	Filter is On till speed… Can't be set more than 130 kmh.

X Band
Setting value : On/Off

K Band
Setting value : On/Off

KA Band
Setting value : On/Off

Laser Band
Setting value : On/Off

Strelka
Setting value : On/Off

Police Post
Setting value : On/Off

Fake radars
Setting value : On/Off

Autodoria
Setting value : On/Off

Strelka only videomodule
Setting value : On/Off

Radar strelka
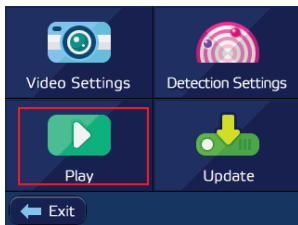*Setting value : On/Off*

Fixed radar
Setting value : On/Off

All user area deletion
It is to delete all user areas.
To delete all user areas, touch "OK" when display "Удаление координат. Вы уверены?".

PLAY

X-COP R750 can see the recorded video on high-definition IPS LCD directly by this PLAY function.

Touch PLAY icon at the Menu and the following screen will be appeared.
Touch "Event" and you can see the videos of Event.
Touch "Driving" and you can see the normal recorded videos.
Touch "Parking" and you can see the recorded videos of parking.

The following is the picture of recorded image PLAY. During playing the video, PAUSE/PLAY/FORWARD/REWIND is available and you can delete the video on playing.

Locking the Video file
LOCK : Touching(pressing) the video file (which user want to lock) more than 3 sec.
• "Do you want to lock the file? (Yes or No)". Unlock : Pressing the locked video file more than 3 sec.
• "Do you want to unlock the file? (Yes or No)"

Deleting the locked file
If user want to remove the file (touching the trash can icon on the left side) the warning message would be shown as follows (the locked file can't be deleted at the thumbnail screen - only possible locking or unlocking)
• "This video file is locked. Do you want to delete? (Yes or No)"

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limitation of Locked files

For the operating stability of the unit, the storage capacity for the locked files is limited.

• "Lock file are overloaded. Please check the SD card."

Firmware upgrade

It is for Blackbox firmware upgrade.
(Please refer to No.11 Firmware upgrade in detail)

Database upgrade
It is to update the GPS database.
(Please refer to No.13 Database update in detail)

Radar firmware upgrade
It is to upgrade the Radar firmware.
(Please refer to No.14 Radar firmware upgrade in detail)
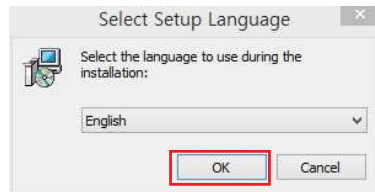
X-COP Player

X-COP R750 can play the recorded videos at PC by using a PC Player program and can change the setting value as well.

X-COP Player installation

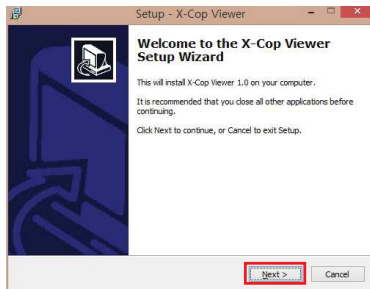Install the file "X-COP Player.exe" after downloading it from web.
Run "X-COP Player.exe" file
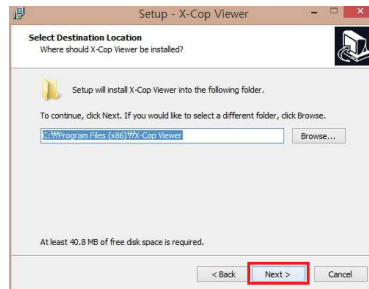Select Setup Language : English / Russian
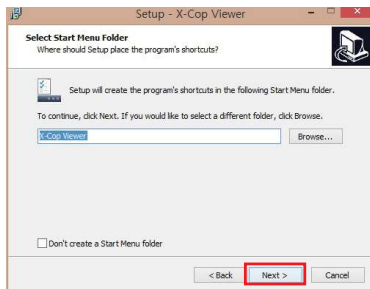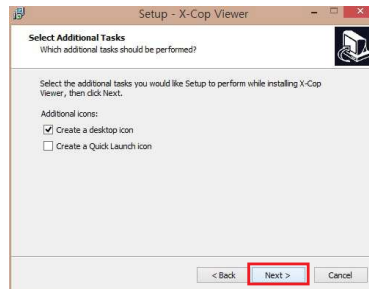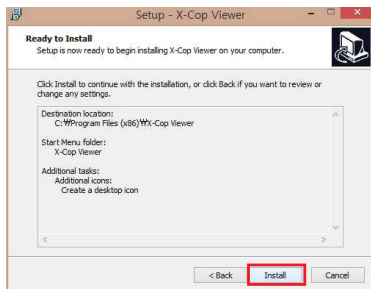
The installation processes are as follows:

1

Welcome to the X-Cop Viewer Setup Wizard

This will install X-Cop Viewer 1.0 on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

Next >   Cancel

2

Select Destination Location
Where should X-Cop Viewer be installed?

Setup will install X-Cop Viewer into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

C:\Program Files (x86)\X-Cop Viewer   Browse...

At least 40.8 MB of free disk space is required.

< Back   Next >   Cancel

3

Select Start Menu Folder
Where should Setup place the program's shortcuts?

Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

X-Cop Viewer   Browse...

☐ Don't create a Start Menu folder

< Back   Next >   Cancel

4

Select Additional Tasks
Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing X-Cop Viewer, then click Next.

Additional icons:
☑ Create a desktop icon
☐ Create a Quick Launch icon

< Back   Next >   Cancel

5

Setup - X-Cop Viewer

Ready to Install
Setup is now ready to begin installing X-Cop Viewer on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

Destination location:
    C:\Program Files (x86)\X-Cop Viewer

Start Menu folder:
    X-Cop Viewer

Additional tasks:
    Additional icons:
        Create a desktop icon

< Back   Install   Cancel

6

Setup - X-Cop Viewer

Installing
Please wait while Setup installs X-Cop Viewer on your computer.

Finishing installation...

Select Setup Language

Select the language to use during the installation:

English

OK   Cancel

Cancel

7

Setup - ffdshow

ffdshow v1.3.4531 [2014-06-28]

This will install ffdshow on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

Next >   Cancel

8

Setup - ffdshow

Select Destination Location
Where should ffdshow be installed?

Setup will install ffdshow into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

C:\Program Files (x86)\ffdshow   Browse...

At least 10.1 MB of free disk space is required.

< Back   Next >   Cancel

9

Setup - ffdshow

Select Components
Which components should be installed?

Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.

- ☐ DirectShow:
  - ☑ video decoder
  - ☑ audio decoder
  - ☐ DXVA video decoder
  - ☐ raw video processor
  - ☑ raw audio processor
- ☑ VFW interface
- ☐ Application plugins:
  - ☐ AviSynth
  - ☐ VirtualDub

Current selection requires at least 13.0 MB of disk space.

< Back   **Next >**   Cancel

10

Setup - ffdshow

Select Start Menu Folder
Where should Setup place the program's shortcuts?

Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

ffdshow   Browse...

☐ Don't create a Start Menu folder

< Back   **Next >**   Cancel

11

Setup - ffdshow

Speaker Setup
Select the speaker setup below that is most similar to the configuration on your computer. You can change it using "Mixer" settings after installation.

Speaker setup:

- ○ 1.0 (mono)
- ○ 2.0 (Head phone)
- ● 2.0 (stereo)
- ○ 3.0 (front 3ch)
- ○ 4.1 (quadro + subwoofer)
- ○ 5.0 (front 3ch + rear 2ch)
- ○ 5.1 (front 3ch + rear 2ch + subwoofer)
- ○ 7.1 (front 3ch + side 2ch + rear 2ch + subwoofer)
- ○ Disable Mixer

< Back   **Next >**   Cancel

12

Setup - ffdshow

Select Additional Tasks
Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing ffdshow, then click Next.

Settings
☑ Reset all ffdshow settings

Video formats
☐ Decode the following video formats with ffdshow:
- ☑ H.264 / AVC
  - ● libavcodec
  - ○ Intel QuickSync
- ☑ DivX
- ☑ Xvid

< Back   **Next >**   Cancel

13

Setup - ffdshow

Ready to Install
Setup is now ready to begin installing ffdshow on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

Destination location:
   C:\Program Files (x86)\ffdshow

Setup type:
   Normal

Selected components:
   DirectShow:
      video decoder
      audio decoder
      raw video processor
      raw audio processor
   VFW interface

[< Back]   [Install]   [Cancel]

14

Setup - ffdshow

Completing the ffdshow Setup Wizard

Setup has finished installing ffdshow on your computer. The application may be launched by selecting the installed icons.

Click Finish to exit Setup.

☐ Run audio decoder configuration
☐ Run video decoder configuration
☐ Run VFW configuration

[Finish]

15

Setup - X-Cop Viewer

Completing the X-Cop Viewer Setup Wizard

Setup has finished installing X-Cop Viewer on your computer. The application may be launched by selecting the installed icons.

Click Finish to exit Setup.

[Finish]

81

X-COP Player screen. Please click the X-COP Player ICON at the basic screen for the program start. The basic screen of PC Player is as follows.

X-COP Player's each screen is as follows.

1. Current playing video.
2. G-Sensor value & Latitude, Longitude, Heading angle during driving.
3. The status of PLAY.
4. Controlling the PLAY.
   Click the icon ▲ and then choose the SD Card Drive and then the video list inside of SD card will be appeared at right top side.
5. Controlling Brightness, Play speed and Volume.
6. Indicating Speed.
7. Indicating the location of the current play on the map.
8. Showing the recorded file list.
9. For Print, Capture and Setting function. (Refer to No.17 Screen setting for Setting function)
10. Changing the kinds of video under Play.
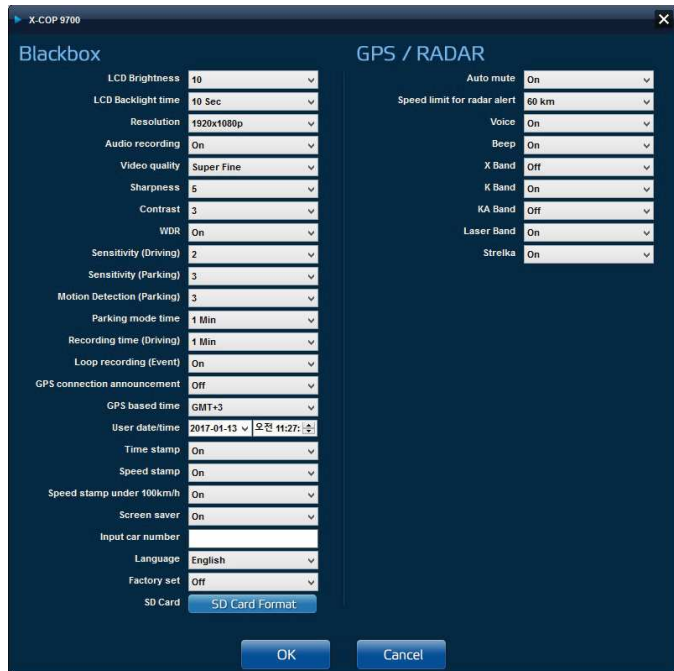
Screen setting

Click the icon ⚙ at the right top side and the setting screen will be appeared. At the setting screen, you can change each setting value.

Click "OK" button after changing to the value that you want and the setting value will be saved.

X-COP 9700		
Blackbox		
LCD Brightness	10	
LCD Backlight time	10 Sec	
Resolution	1920x1080p	
Audio recording	On	
Video quality	Super Fine	
Sharpness	5	
Contrast	3	
WDR	On	
Sensitivity (Driving)	2	
Sensitivity (Parking)	3	
Motion Detection (Parking)	3	
Parking mode time	1 Min	
Recording time (Driving)	1 Min	
Loop recording (Event)	On	
GPS connection announcement	Off	
GPS based time	GMT+3	
User date/time	2017-01-13 오전 11:27	
Time stamp	On	
Speed stamp	On	
Speed stamp under 100km/h	On	
Screen saver	On	
Input car number		
Language	English	
Factory set	Off	
SD Card	SD Card Format	

GPS / RADAR	
Auto mute	On
Speed limit for radar alert	60 km
Voice	On
Beep	On
X Band	Off
K Band	On
KA Band	Off
Laser Band	On
Strelka	On

OK Cancel

X-COP APP

APP Install
Download the App program from the APP Stores, and install the program on the Mobile Phone.

X-COP set Setting
Check at the Quick Menu
Wifi On/Off
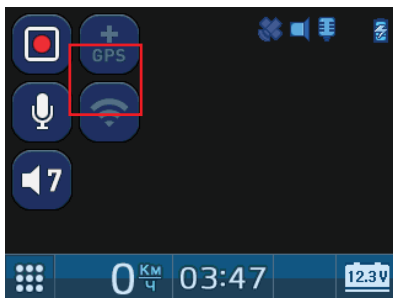
(Rebooting – when Wifi is On or off)
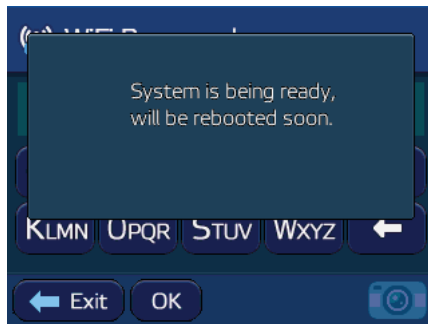
Menu ➔ Video Setting ➔ Page.7
Wifi SSID
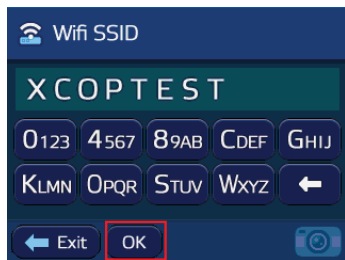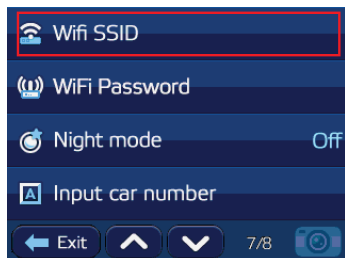
Wifi SSID Setting – the name of Wifi (unit)
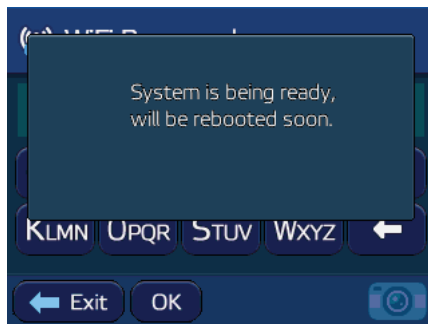
Rebooting

Wifi Password Setting
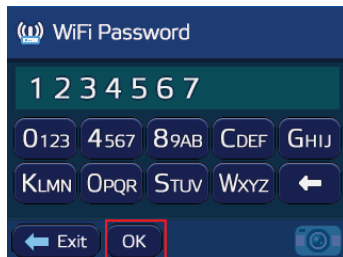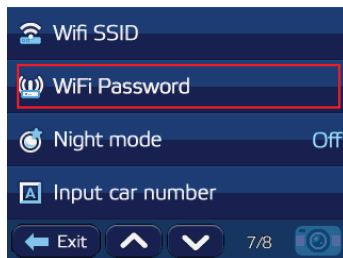
If user sets the password under 7 digits,
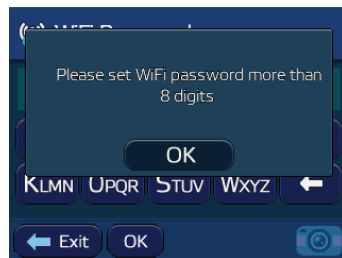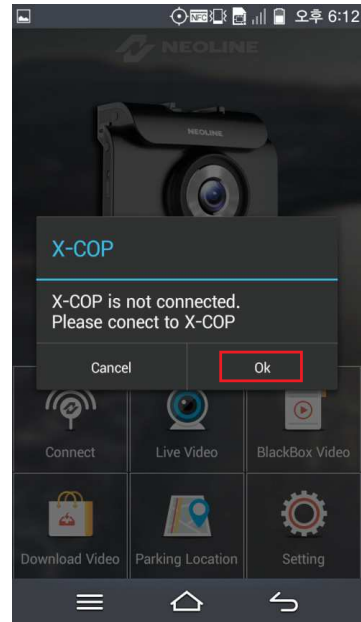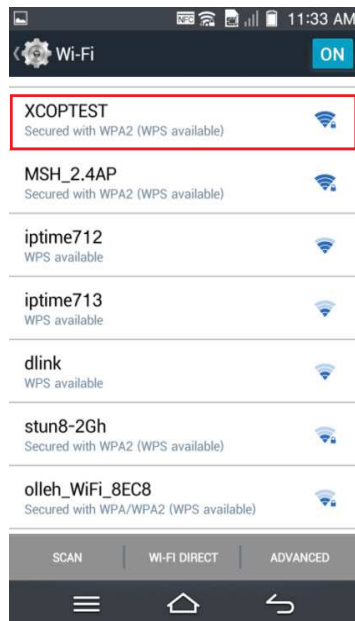

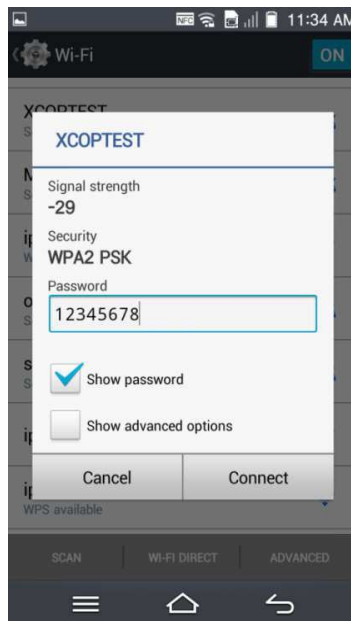

Password Setting
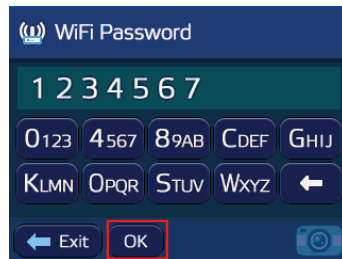
Rebooting

APP Play – Mobile Phone

1

NEOLINE

Connection Required

| Connect | Live Video | BlackBox Video |

| Download Video | Parking Location | Setting |

2

X-COP

X-COP is not connected.
Please conect to X-COP

Cancel | Ok
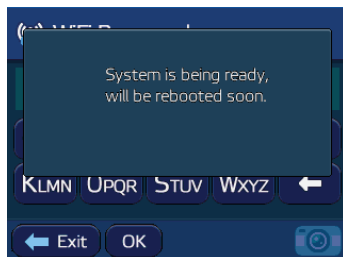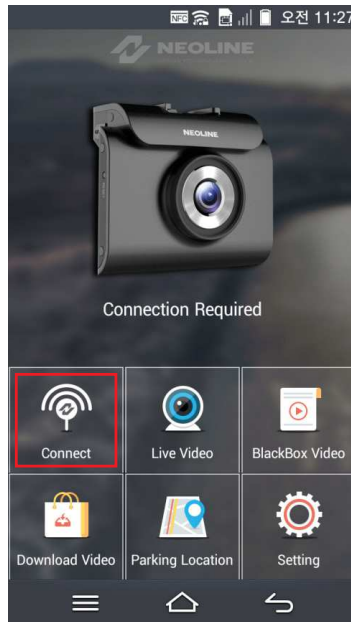
3

4

WI-FI

Wifi Connected
* Note: Default Password is set as "1234567890"

(Back to the App)

APP & DVR Connected
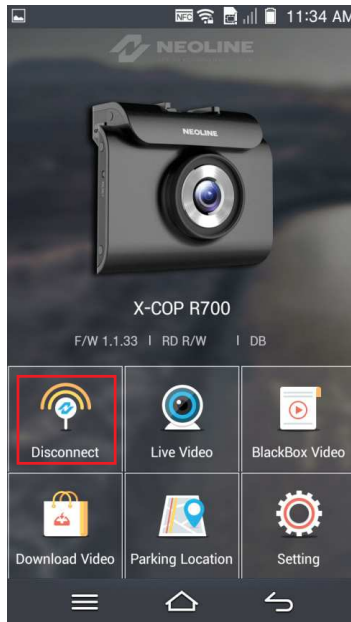
a. Model Name & Firmware Version.

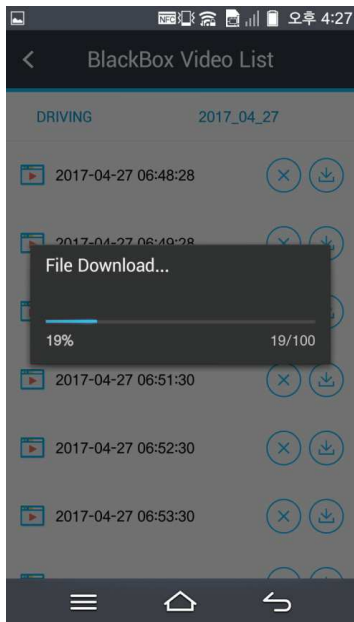**b.** Connect & Disconnect – Phone & Unit.

c. Live Video.

Back to the Main menu   Screenshot   Go to the Blackbox video list
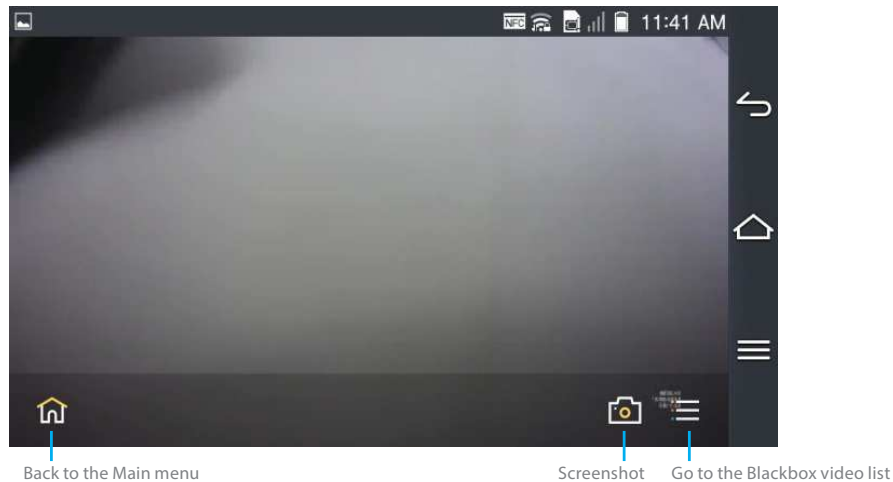
d. Blackbox Video

    Download

    Delete

    Play

1

2

3

BlackBox Video List

DRIVING   2017_04_27

2017-04-27 06:48:28

~~2017-04-27 06:49:28~~

File Download...

19%   19/100

2017-04-27 06:51:30

2017-04-27 06:52:30

2017-04-27 06:53:30

4

BlackBox Video List

DRIVING   2017_04_27

2017-04-27 06:48:28

2017-04-27 06:49:28

2017-04-27 06:50:28

2017-04-27 06:51:30

2017-04-27 06:52:30

2017-04-27 06:53:30

5

17:40   17:40

2017_04_27_05_31_35_D
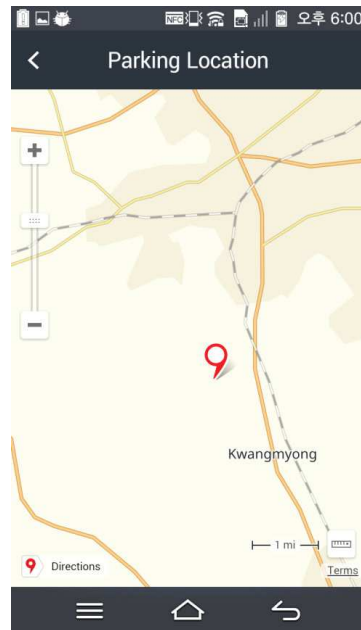RV.MP4   2x
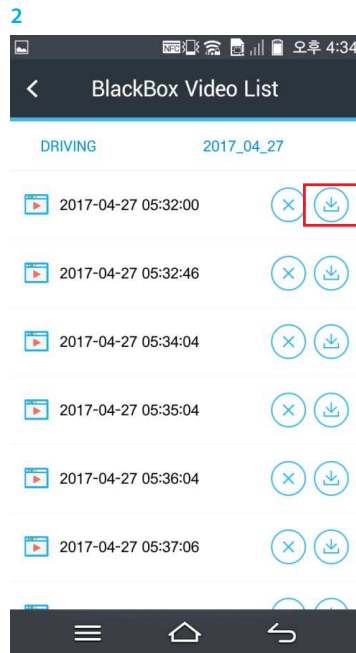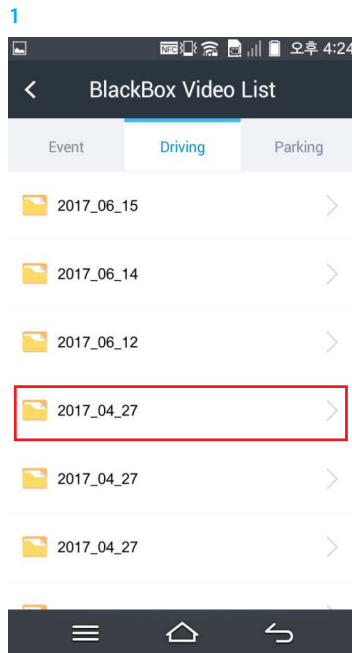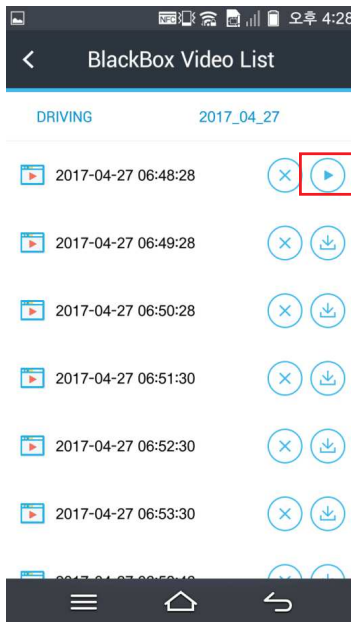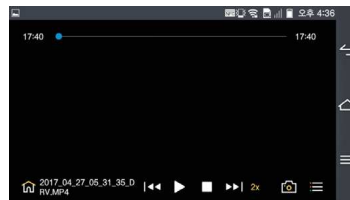
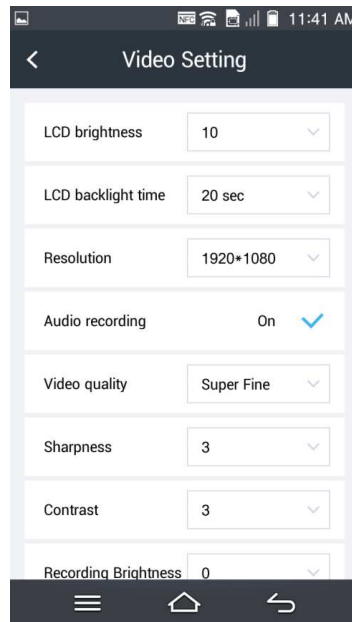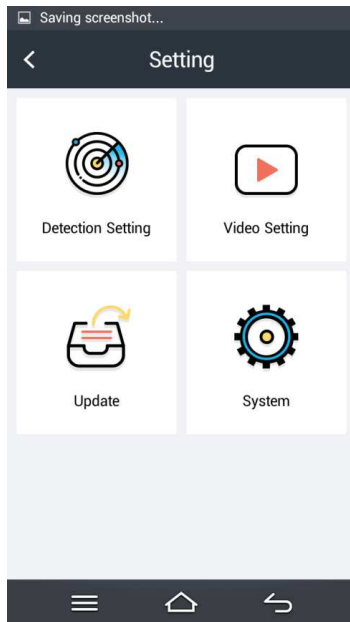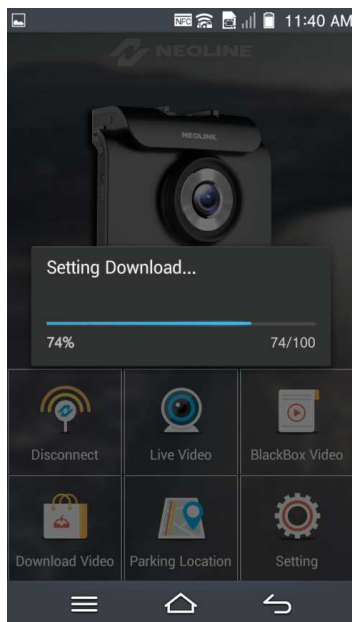**e.** Download Video.
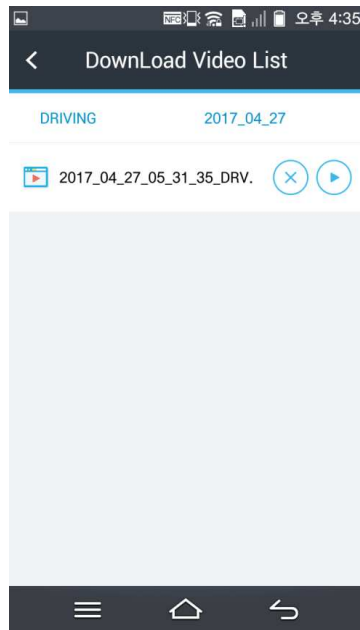
f. Parking Location.

NOTE: Parking Location function is only run, when the phone is connected with other online network (such as 3G or 4G, or other Wifi).

g. Setting – the same as Unit settings.

Potential problems and solutions

Connection to WiFi network failed
Check password. Disengage other smartphone, connected earlier. Delete network from smartphone list and reconnect.

Video recording and photo shooting failed
Check free space on micro SD memory card, check whether it is locked.

Spontaneous stop in recording process
Due to high volume of video files use only high-speed micro SD cards, 10th class minimum, by proven manufacturers.

ERROR alert is displayed when trying to browse / play photo / video file
Format memory card.

Process suspended (recording doesn't start, connection with app not established, settings changes are not applied)
Press RESET button to force reboot.