GL-200 INSTRUCTION

Read user manual carefully in order to protect the user’s safety and ensure the accurate use of the product.
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PRODUCT WARRANTY CARD
THANKS FOR CHOOSING  **GNET SYSTEM  VEHICLE RECORDER**

This manual contains how to operate product and guide you to use correctly. Please read carefully before using product. This manual is based on GNET model, might be able to have errors caused by user’s editing or disassembling. This manual might be modified for product’s upgrading.

**GUARANTEE AND SUPPORTING**

1 . Please visit our website www.gnetsystem.com

2 . Dedicated viewer, latest firmware and other product informations are available to download from the website.

3 . GNET System is not responsible for any problem while using violations listed in the instruction manual.

4 . This product can be recording accidents and available to use the recorded data but GNET System is not responsible for product failure and loss of data. Even It might not be able to record by just minor impact.

5 . This product might support accident proof but GNET System is not responsible for the situation.

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2 . This manual is property of GNET, no one is allowed to attempt to make a copy, editing and translations,
**VOLTAGE POWER**

1. Please make sure to use recommended stable voltage only. This may cause product failure and fire accidents, explosion or damage to the vehicle.

2. Do not arbitrarily disassemble and modify the product otherwise it might cause damage of the product and electric shock. It should be considered user’s fault and void the warranty.

3. Make sure that the power cable is not cut or damaged when attaching other electronic gadgets on the vehicle, otherwise it can cause product failure or danger of electric shock. Please use qualified power cable which is produced by GNET.

4. It is highly recommended not to connect the uninterrupted power cable to vehicle because it can cause malfunction of the product by different conditions of vehicle and surrounding environments. (Please contact professional engineer if needs to install it)

**INSTALLATION**

1. Do not install Vehicle Recorder on interruption position of driving. It may cause an accident.

2. Do not install Vehicle Recorder to where humidity is high and near explosive stuffs. Otherwise it may cause explosions or fire.

3. Make sure all cables are completely connected to Vehicle Recorder.
THE RIGHT USE

1. Do not operate Vehicle Recorder while driving. Park vehicle in a safe place and operate the product.
2. Do not press the product or lens too much, otherwise it may cause product malfunction.
3. Please avoid flammable or explosive substances around the product.
   - Do not insert any other objects into the SD Card slot. Electric shock or fire may cause.
4. When you change the product location, please recheck the angle of the product lens.
5. The image quality might be able to get lower when you enter the tunnel because of backlight.
6. Recording quality might be reduced by excessive tint.
7. Image quality might be able to get poor if there is not moderate temperature.

MANAGEMENT

1. Turn Recorder off where is direct sunlight or high temperature. It may occur device malfunction or fault.
2. Memory card is a consumable item which should be replaced when use it for a long period (6 months).
3. If it used long period time, it would be shorten the lifetime of memory card. You may not be able to save video data normally in this case. Periodic SD card format and recording check are required.
4. Please confirm that the product works normally before driving.
5. Do not remove SD card or turn off the power cable during the firmware updating.
   - It may cause malfunction or loss of data.
MEMORY CARD AND PRECAUTION

- There is the lifetime of memory card for rewriting which is expendable product.
  Some errors could occur if the lifetime of memory card reached or being stayed in high temperature environment.
  Periodic care is required.

- Please purchase genuine GNET memory card for preventing incompatibility problem.
  Warranty of memory card is covered only when using genuine memory card which is designated by GNET.
  The terms of GNET genuine SD card is 3 months from the purchasing date.

- Recording time may differ depending on the situation and surroundings that could be rewritten by long term recording.

- Please make sure to remove SD card after turning REC LED off.
  It can cause damaged video or memory faulty and the lifetime of memory card shorten.

- Product is only permitting recording files and GNET program, any other files will be deleted in order to keep stability.
  (Please using the SD card for the product only, Otherwise it will be deleted.)

- Don't need to format memory card periodically. However, recommend you to format memory card over 1 times every month for maintenance.

- Recommend to use format function of viewer program.
  3～5 minutes of initializing time are required when you start first. Please do not disconnect power cable or remove the SD card.
PRODUCT OVERVIEW

Wi-Fi
- Playback recorded images or confirm real-time recording on smart devices via Wi-Fi
- Saving and backup recordings on smart devices via Wi-Fi
- Configuration setting and upgrading firmware via Wi-Fi

Micro SD Memory
- Automatic SD Card recover

Voice Recording & Voice Guidance
- High quality Sound Recording
- Clearer Voice Guidance by built-in speaker

High Quality Video
- Real High-Definition (HD) 1280x720p, 30Frames

Variable Recording Mode
- Automatic Parking Mode and Motion Detect Function
- Impact, 24 hours Recording Mode

External GPS
- Driving information via external GPS
- Time, driving path, direction with recorded video

High Intensity Security LED
high intensity LED makes it possible to check outside whether product is working. So as to prevent beforehand vehicle theft and accident

Dedicated PC Viewer & Smartphone Playback
- Playback recorded data, Set various functions on dedicated PC viewer
- Playback recorded images or confirm real-time recording on smart devices via Wi-Fi
### Basic Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Camera, Rear Camera</td>
<td><img src="image1.png" alt="Image" /></td>
</tr>
<tr>
<td>Connection cable</td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>Direct power cable</td>
<td><img src="image3.png" alt="Image" /></td>
</tr>
<tr>
<td>Micro SD Adapter, Micro SD Card</td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
</tbody>
</table>

### Optional Product

<table>
<thead>
<tr>
<th>Product</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>External GPS</td>
<td><img src="image5.png" alt="Image" /></td>
</tr>
<tr>
<td>Wi-Fi Dongle</td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td>Cigar jack power cable</td>
<td><img src="image7.png" alt="Image" /></td>
</tr>
</tbody>
</table>

*The picture of this package may differ from the real. The images of components can be different from the real and some can be changed.*
NAME OF EACH PART

FRONT CAMERA
- Power input
- USB port for Rear Cam
- External GPS (Optional)

1. Power input
2. USB port for Rear Cam
3. External GPS (Optional)

Wi-Fi USB
Speaker
Lens
Security LED
Micro SD card slot

GPS LED
REC LED

Touch LCD
MIC

REAR CAMERA
- Lens
- REC LED

1. Lens
2. REC LED
3. Camera connection port
<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMERA / RESOLUTION</td>
<td>HD CMOS Sensor(1.0M) / 1280x720p (HD)</td>
</tr>
<tr>
<td>FRAME / VIEW ANGLE</td>
<td>Max 30fps / 120 ° ±5%</td>
</tr>
<tr>
<td>ILLUMINATION</td>
<td>More than 0.5 LUX</td>
</tr>
<tr>
<td>VIDEO / AUDIO FORMAT</td>
<td>H.264 / ADPCM</td>
</tr>
<tr>
<td>Wi-Fi</td>
<td>External Wi-Fi Dongle</td>
</tr>
<tr>
<td>G-SENSOR</td>
<td>3 Axis Acceleration (3D, x y z)</td>
</tr>
<tr>
<td>MEMORY CARD</td>
<td>Micro SD/SDHC 4GB ~ 128GB</td>
</tr>
<tr>
<td>SAVING / LED</td>
<td>Over Writing / High Intensity LED</td>
</tr>
<tr>
<td>SYSTEM TIME / GPS</td>
<td>Built-in RTC(Automatically Sync by GPS) / External GPS Type</td>
</tr>
<tr>
<td>MODE</td>
<td>Normal/Event, Manual/Parking/Motion Detect</td>
</tr>
<tr>
<td>VOICE / AUDIO</td>
<td>High quality MIC, (ON/OFF/MUTE) / Built-in Speaker, Voice guidance</td>
</tr>
<tr>
<td>VOLTAGE / TEMP / TEMP(Storage)</td>
<td>12~24V / −20 ° C ~ 80 ° C / −20 ° C ~ 90 ° C</td>
</tr>
<tr>
<td>PLAYBACK / FW Update</td>
<td>Smartphone(Wi-Fi)/Dedicated Viewer / Support firmware update(Wi-Fi)</td>
</tr>
<tr>
<td>LCD(Touch)</td>
<td>480 x 320 LCD Pannel</td>
</tr>
<tr>
<td>Size(Main body)</td>
<td>103(w) x 62(D) X 35(H) mm / Rear camera 47(W) x 37(D) x 27.3(H) mm</td>
</tr>
</tbody>
</table>

* Specifications above can be changed without prior notice in order to improve performance of the product.
1. Assemble the main body (Front view camera) with a bracket
Assemble them according to the order (1 then 2) like the left picture with upper position to lower part of bracket until hear clicking sound.

3. Install the device
After installing the device on the proper position, please adjust the right angle of the camera with spinning the bracket. Avoid obstacles in the front of the camera.

4. Connect the cable
Connect the cable power cable, and the connection cable between the front view camera and external camera.

2. Insert Memory card into the slot and remove adhesive double-side tape

6. Install a rear view camera.
Please install a rear view camera on the proper position.

7. Connect a reaview camera
Connect an external camera with a main body through the connection cable’s opposite side.

8. Complete the installation
After the vehicle starts up, please check whether LED of the device turns on. LED turns on with the beep sound and the record starts after 3–4 seconds.
**INSERTING SD CARD**

- Please refer the picture shown, there are some cases cannot be possible to insert SD card. Please check accurate position of SD card.

- Insert SD card until hearing the sound “Click”. Otherwise it couldn’t be able to record properly.

- 3~5 minutes of initializing time are required when you start first. Please do not disconnect power cable or remove the SD card.

- Recommend to avoid disadhesion after installation.

- Do not use or install outside of vehicle.

- Attach the product at the top-center of windscreen where shouldn’t be interrupted the driver’s view.

**INSERTING Wi-Fi DONGLE**

- Please refer to the picture shown, it could be able to impossible to insert Wi-Fi Dongle.

- Insert Wi-Fi dongle tightly, otherwise Wi-Fi function couldn’t be able to operate.
HOW TO USE

- **Power on**
  - After power on car dvr or install direct power cable. all of LED would be turned on
  - After voice of start recording come out with turn on recording led. car dvr would operate.
  - If external GPS isn't connected. GPS LED would be turned off

- **Power off**
  - After turn off the ignition or pull out Direct power cable.
  - All LED would be turned off.

- **External GPS**
  - If external GPS is connected. GPS LED would blink
  - If GPS LED doesn't blink. after install external GPS.
  - Check external GPS connection state.

- **User registration for Wi-Fi**
  - If press Wi-Fi button. voice of standby mode registration would come out.
  - If don’t have Wi-Fi connection for 2minutes between car dvr and smartphone(including IOS, android device).
  - Mode for Wi-Fi registration would be automatically released.
RECORDING MODE

- **Normal Recording**
  - It starts recording when power is connected
  - Security LED is flickering once every 2 Seconds

- **Event Recording**
  - It will be recorded for event recording mode if it detects any shock (REC LED flickers)
  - It will return to Normal recording mode after finishing event recording

- **Parking Recording**
  - It will switch to parking mode if G sensor doesn’t detect movement for 5 minutes
  - It is recorded with 10 frame in order to extend recording time (Security LED flickers every 1 second)
  - Switch to normal recording mode if ignition on again (If drive again)

- **Motion Detect Recording**
  - It records if there is any movement a range of 3meters distance
  - Security LED will blink faster
  - IF the movement finished, it return to parking mode again
### VOICE GUIDANCE

<table>
<thead>
<tr>
<th>Event</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>rec_start</td>
<td>Start recording.</td>
</tr>
<tr>
<td>system_off</td>
<td>The system shut down</td>
</tr>
<tr>
<td>hdd_full</td>
<td>Recording does not have enough available. Please check overwriting setting.</td>
</tr>
<tr>
<td>gps_connect</td>
<td>GPS connected.</td>
</tr>
<tr>
<td>capture_not</td>
<td>Video is not being entered.</td>
</tr>
<tr>
<td>rec_audio_off</td>
<td>Stop recording the voice.</td>
</tr>
<tr>
<td>rec_audio_on</td>
<td>Start recording the voice.</td>
</tr>
<tr>
<td>enable_registration</td>
<td>Stand–by mode for the registration</td>
</tr>
<tr>
<td>disable_registration</td>
<td>Stand–by mode for the registration disabled</td>
</tr>
<tr>
<td>not_supported_WiFi</td>
<td>This Wi–Fi–Module is not supported.</td>
</tr>
<tr>
<td>hostap_not_exist</td>
<td>No Wi–Fi dongle</td>
</tr>
<tr>
<td>register_complete</td>
<td>Complete the registration,</td>
</tr>
<tr>
<td>already_register_mac</td>
<td>Already registered smart phone.</td>
</tr>
<tr>
<td>hostap_connect</td>
<td>Users connected.</td>
</tr>
<tr>
<td>hostap_disconnect</td>
<td>User access disabled.</td>
</tr>
</tbody>
</table>

* Specifications above can be changed without prior notice in order to improve performance of the product*
### VOICE GUIDANCE

<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>hostap_rec_stop</td>
<td>User’s search starts so, recording is paused.</td>
</tr>
<tr>
<td>rec_restart</td>
<td>Restart recording.</td>
</tr>
<tr>
<td>parking_leave</td>
<td>Driving mode to start recording. Safe driving.</td>
</tr>
<tr>
<td>sd_format</td>
<td>On formatting the memory card. Please wait.</td>
</tr>
<tr>
<td>sd_not</td>
<td>No Memory card.</td>
</tr>
<tr>
<td>sd_invalid</td>
<td>Memory card is damaged and can not be recorded.</td>
</tr>
<tr>
<td>sd_damage</td>
<td>Reboot because of the damaged memory card.</td>
</tr>
<tr>
<td></td>
<td>Please replace the memory card if this occurrence continues.</td>
</tr>
<tr>
<td>setup_change</td>
<td>Setting changed and reboot.</td>
</tr>
<tr>
<td>firm_update</td>
<td>On installing the program. Do not turn off the power.</td>
</tr>
<tr>
<td>firm_invalid</td>
<td>Program file is corrupt and cannot be installed.</td>
</tr>
<tr>
<td>system_off</td>
<td>The system shut down</td>
</tr>
</tbody>
</table>

* Specifications above can be changed without prior notice in order to improve performance of the product*
How to use LCD

- **Main Display**

  LCD Screen be turned on and voice of start recording come out at the same time.

1. **Play** - Play footage.
2. **LCD off**
   - after screen is turned off, you touch lcd, LCD would be turned on.
3. **Setup** - adjust setting for car dvr
4. **Live** - watch realtime video.
5. **Wi-Fi**
   - Press wi-fi button, voice of standby mode registration come out.
   - If don’t have Wi-Fi connection for 2 minutes between car dvr and smartphone (including IOS, android device).
   - Mode for Wi-Fi registration would be automatically released.

6. **Standby mode** - remove safely micro sd card from car dvr.
How to use LCD - PLAY

1. Touch play screen, can see a list of footage files.

2. Can list each footage file
   - If touch normal, can view normal footage.
   - If touch event, can view event footage.

3. Touch one of files, can view footage.

4. If touch ▲▼, can move to next footage file of list.

5. ① Play & Pause
    ② Playback bar
    ③ Reverse front footage or Rear footage
    ④ Back to a list of footage files
How to use LCD - PLAY

- Enlargement while playing footage. If you keep touching screen, you would be able to enlarge screen.

Keep touching or touch

Enlargement will be released
How to use LCD - SETUP

- Setup
  Adjusted figures will be applied. after back to main screen by touching or

Adjust setting (brightness, even FPS, normal FPS) / Figures for front & rear resolution are fixed (720p)
How to use LCD - SETUP

Not apply that event fps is bigger than normal fps. If adjust above figure, you would watch pop up message

Rear cam (reverse left and right rear cam video).
If you touch R, you can use reverse left and right rear cam video
How to use LCD - SETUP

Set time, date, auto rebooting.

Set date, time.

Set auto rebooting.
How to use LCD - SETUP

Set on/off audio record, voice guide

Set buzzer, parking mode, shock, motion, record time after shock

Set event sensitivity, LBP (low battery protector), language, memory, LCD
How to use LCD - SETUP

Sensitivity - set parking, shock

LBP : Set low battery protector on/off

<table>
<thead>
<tr>
<th>Section</th>
<th>Voltage(V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power On</td>
<td>12.4</td>
</tr>
<tr>
<td></td>
<td>12.7</td>
</tr>
<tr>
<td></td>
<td>12.9</td>
</tr>
<tr>
<td></td>
<td>13.1</td>
</tr>
<tr>
<td></td>
<td>13.3</td>
</tr>
<tr>
<td>Power Off</td>
<td>11.3</td>
</tr>
<tr>
<td></td>
<td>11.5</td>
</tr>
<tr>
<td></td>
<td>11.8</td>
</tr>
<tr>
<td></td>
<td>12.</td>
</tr>
<tr>
<td></td>
<td>12.3</td>
</tr>
</tbody>
</table>

Only if Power on/off voltage cap should be over 0.8v. LBP setting figure will saved.

Language : Set Language
How to use LCD - SETUP

- Memory: divide storage capacity (the storage capacity of event and storage capacity of normal)
  - * If change memory setting, recorded data would delete.

- * overwrite: set on/off overwriting

- Format: format memory card. After figure is changed, car dvr will reboot
How to use LCD - SETUP

LCD time off - Set time to automatically turn off the LCD

* Touch coordinate of touchscreen
  Touch center of cross by following guide.

Version: version is displayed
How to use LCD - LIVE

Watch realtime video.

If you touch screen. realtime video is converted (front -> rear / rear -> front).

If you touch . you can back to main menu.
## Saving Directory

<table>
<thead>
<tr>
<th>Folder</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Config** | - Log.txt: Save product status  
- Version.ini: Save version information |
| **Data** | - There are recorded data. File amount could be depending on memory card capacity that is allocated to secure the space of memory card |
| **Event** | - There are recorded data of event (Impact, parking, movement) recording |
| **Update** | - Put the latest firmware here to automatic upgrade |
| **Viewer** | - Viewer setup program |

### Saving Directory

- **8GB**: Approx 3H 30M  
- **32GB**: Approx 14H  
- **16GB**: Approx 7H  
- **64GB**: Approx 28H  

*The size of Daytime and Night time recording will be different for every different recording environment, It’s because of using the compress saving type of variable frame rate.  
Above 8G ~32G class 10 SD card is recommended, Please use a genuine memory of GNET  
Please periodically change SD Card every 3 months*
AUTOMATIC UPDATE via PC VIEWER PROGRAM

1. Message window pop up as picture shown when install PC viewer program first
   (That can upgrade only when there is internet connection and memory card inserted)
2. If click the upgrade icon of latest firmware tab, it automatically copy upgrade file to memory card
3. Insert memory card to the product after finished copy. Make sure the power disconnection of the product
4. Connect power to the product after completed
   Please start ignition first for preventing lack of power
5. Upgrade is progressing with LED flickering and voice guidance
6. Booting up again to record if the upgrade is finished
AUTOMATIC UPGRADE on SMART DEVICE via Wi-Fi

1. Register smart device [Refer to registration page]
2. Message pop-up window appears when select the product after executing GNET application
   ※ Please aware of internet data charges for firmware upgrade
3. Automatically start the upgrading if click “UPGRADE” button
4. Please do not turn off smart device or product power while upgrading
5. Reboot the product to record after finished upgrade normally
1. Disconnect power cable
2. Remove SD card from the product, connect to PC
   Copy the downloaded firmware file to “Update” folder on Micro SD card
3. Insert SD card to product again (Make sure the disconnect power)
4. Please ignition on before upgrade (There could be able to get lack of power)
5. Upgrade is progressing with LED flickering and voice guidance
6. Booting up again to record if the upgrade is finished
Program Installation

1. There is no viewer program in case of first use or when format the SD card
2. Connect power to the product after inserting Micro SD card
   Recording time could be differ depending on capacity of SD card
3. Take 3~5 minutes to initialize and create the file system when first use
   (All LED flicker while initializing, There will be REC on when it starts recording after finishing)
4. Insert the SD card to PC
5. Double click the file(viewer.exe) in SD card to install GNET viewer program as picture shown
Program Run

1. Confirmation pop-up window appears if there is internet connection as picture shown
   If there is no internet connection, GNET viewer program will be executed directly

   ![Checking the latest version](image1)

2. Press “Execute a viewer” icon to start viewer program

3. When the installation is completed, the program runs automatically and GNET icon will be created on your desktop

4. "Open File" button – click the icon
   in the viewer to browse folder window as shown in the picture. Select removable disk, press "OK" button

   ![Browse for Folder](image2)
MENU

1. Recording File List
2. GPS Reception  Available only when installed GPS
3. Google MAP  Only available when there’s GPS connection
4. Color/Black-and-White Mode
5. G-Sensor Graph
6. Playback Speed
7. Volume
8. Playback Recording
   - Play backwards, Playback
   - Pause
   - Repeat event
   - Previous/Next event
   - Step Reverse, Step
9. Speedmeter  Available only when installed GPS
10. Video Control
    - Thumbnail
    - Drawing a lane
    - Print
    - Backup
    - Setup
    - Open
DEDICATED VIEWER - CONTROL MENU

- REPEAT PLAYBACK
  - Click “repeat event” icon to activate repeat function from the main viewer screen
  - Select start and end point to playback repeatedly
  - This function is only available in a playback section

- OSD
  - Display the information of speed, date and time in the lower left section of the viewer
  - Date and time notation is applied to all of the backup files
THUMBNAIL

- Switch to thumbnail function if click the icon in the main viewer screen
- This screen is composed of 16 pictures in total and each of the screen shows one scene
- It show enlarged full screen if double-click the specific each of scene
- Playback, Play backwards also show 1 to 16 pictures sequentially
- Return back to normal mode if click the icon again

DRAWING A LANE

- Click to the icon to “Drawing a lane” mode
- User can apply the lane Manually
- Click the icon to return back again
**BACKUP**

- Click the “Backup” icon in main screen menu.
- Backup function provides various types of backup such as JPEG, BMP, AVI, JDR, G-SENDER.
- AVI video file can be played back with Windows Media Player or other Third-party Player also.
- JDR Backup can be played back with dedicated viewer only.
- Images can be opened with Image viewer or Microsoft paint.
- Click the backup button after choosing backup type in selected recording file.
- In case of video backup, there is an additional option whether to save recorded voice.
- AVI backup is available to use tamper-resistant function also. Check “Tamper-Proof” option to confirm the file falsification.
FULL SCREEN ZOOM

- Double-click the left button of mouse on the main menu screen to expand full screen
- Click the left button of mouse to return previous screen again

PARTIAL ZOOM

- Magnifier will appear, if double-click the right button of mouse in playback screen
- You can move enlarged screen to while pressing the left button of mouse
- The Magnifier will disappear if click the right button of mouse
SYSTEM SETTING

1. Resolution – Camera HD(720P)
2. Normal/Event – Setup the frame for 1 second
3. Brightness – Adjust the brightness of recording
   - There are 3 steps such as Darkness / Default / Bright
4. Audio Recording – Available to select Enable/Disable audio
5. Overwrite – Enable/Disable rewrite to SD card
   - In case of check “Not Use”, it will stop recording when capacity of memory card is full
6. Standard Time Zone – Select exact time zone
7. Auto Reboot – Reboot the product when get preset time in order to check memory card checkup
8. Buzzer – Alarm sound when event occur (Available ON/OFF)

- Click the icon to setup system setting
EVENT SETTING

1. **Event** – Activate/Deactivate Impact/Parking/Motion function

2. **Event Recording Time**
   - Recording after event: Setup the recording time after event happened (Available between 2~30 seconds)

3. **Parking** – Set the sensitivity while in parking mode (G-Sensor)

4. **Impact** – Set the sensitivity (G-Sensor)

5. **Storage Capacity of the Event**
   - Set the capacity of Event and Normal recording

- SD memory card will be formatted if product detects changes of the capacity of event proportions. Please backup in advance when there is any changes.
**USER SETTING**

1. **Vehicle Info** – Save vehicle information
2. **Driver Info** – Save drivers information
3. **License Plate No** – Save vehicle’s license plate information
4. **User Info** – No one can confirm the information if set password here
   - **User ID** – Appears ID input windows in the main menu (Default: admin)
   - **Password** – Set password for login (Default: None)
5. **Time Set** – Set the exact time in case of install without external GPS

- This is a personal information area. Please keep secure for the information.
- In case of lost the preset password, it couldn’t be possible to login and playback all recordings, Please be careful.
REMOVABLE DISK

- This function is for format or recover memory card when there occur errors or other problems
- Please consider data loss before work, so need to necessary to backup in advance
  - Select drive which is mounted the memory card
  - Select the function what you want
  - All of data will be deleted if format the drive

- The performance of memory card could be getting slowed by using for a long time
- Management of memory card is very important
- Please format or check the memory card once a week or 2~3 times a month in order to keep stable recording condition and long memory card use
DEDICATED VIEWER - SETUP

**VERSION**

1. **KERNEL** – Display kernel information
2. **RAMDISK** – Display RAMDISK information of product
3. **S/W VER** – Display Software information
4. **VIEWER** – Display viewer version information
5. **Latest Firmware/Viewer** – Click “Checking the latest version” to confirm the latest program version for the product

- Make sure the internet connection before firmware upgrade
- If download the firmware without SD card, Please copy the firmware file to “Update” folder directly
BEFORE CONNECT SMARTPHONE

- It provides Android and iOS platform.
- Please search ‘GNET’ on Google Play Store or Apple App Store

![Android Market](Android Market) ![App Store](App Store)

- Real-time recording and playback via Wi-Fi can be able to delayed depending on specification of Smart device
- Do not handle the product while driving, it causes some serious accident
  - Please operate the product in safe place after parked

- Wi-Fi USB Dongle is optional product
  - Wi-Fi USB Module Purchasing Note: Please use RealTek 8188CUS(RTL 8188CUS) chip only
  - Wi-Fi USB Module Connection Note: Please connect the Wi-Fi USB Module when power is off
    Otherwise it might cause some damage to Wi-Fi module
SMART DEVICE [Wi-Fi]

- **PRECAUTION for Using Wi-Fi**

  - **Before registering Smart Devices**
    Make sure of the voice confirmation as press Wi-Fi button

  - **Can not connect or find the product when first use**
    Confirm the Wi-Fi signal or setting of Smart device
    - Please retry with the "Off" value of passpoint in "Wi-Fi advanced setting" menu, if that value is "On"
    - Please retry with the value of "All" in "Wi-Fi Signal Strength" menu

  - **There could be able to have dropouts of Wi-Fi signal depending on receiving sensitivity**
    Recommend to connect inside vehicle for stable usage

  - **There could be differ saving frames as per smart devices when Wi-Fi connect**
    Automatically recover(saving frame) when device is disconnected the link

  - **It has to be installed RTL8188 driver, Please contact the seller**
HOW TO CONNECT – ANDROID

1. Execute GNET app icon after installation to smart device

2. The screen of GNET app is horizontal mode Information window appears to guide registration when first use as left picture
   If select “No” to terminate the application, or select “YES” to go product registration page

3. It is searching and displaying registerable product around
   - It is searching and displaying registerable product around
   The priority of listing product is depending on Signal strength
4. Press the Wi-Fi registration button of product, there will be voice guidance "Stand-by mode for the registration" and select the product in the list what you want to register Touch "Search" button (2 minutes for registration standby mode, If finished standby mode, there will be voice guidance "Stand-by mode for the registration disabled")

5. In case of registration is not active or connection is failed in standby mode, voice guidance appears. Please press Wi-Fi button to activate registration mode again. It remember the smart device in case of reregistration so, skip the registration step

6. Registration process is finished as right picture shown. Register DVR name, it can be useful when you need several product connections.
HOW TO USE — ANDROID

1. Easily setup the product via smart device if touch the “setup” icon — It will be rebooting when save button after finished setup

2. Move to registration page if click “add” icon

3. Real-time recording shows if click “Connect” icon after registration

4. Delete register product if click “Delete” icon

5. Touch to confirm real-time recording video

• Menu icon will appear lower right side of screen if touch the screen lightly while real-time streaming
SMART DEVICE [Wi-Fi]

- HOW TO USE – ANDROID

- Move to playback list screen and recording list will appear if touch the screen

- Select to playback recording what you want to confirm

- VIDEO BACKUP – ANDROID

- Select the recording and playback

- Touch the backup icon in lower right side of screen and select whether backup with audio

- Backup file path will be displayed as below when finished (/storage/emulated/0/DCIM/IROAD)
SMART DEVICE [Wi-Fi]

○ SYSTEM SETTING – ANDROID

- Move to System Setting menu if touch “Setup” icon in main menu screen
- Touch “Save” button to apply the setting as finish it
HOW TO CONNECT – iOS

1. Execute GNET app icon after installation to smart device

2. Turn on Wi-Fi function of smart device

3. Select “janus_bb_gl200_XXXXXX” in the list

4. Write [qwertuyiop] in the password box and touch the “Join” button

5. Press the Wi-Fi registration button of product to activate register standby mode

(Voice guidance: “Stand-by mode for the registration” )
SMART DEVICE [Wi-Fi]

- HOW TO USE - iOS

6. Real-time recording shows directly if click GNET Application

- APP FUNCTION - iOS

1. Confirm real-time recording
2. Playback recorded video in the list
   - Select to playback recording what you want to confirm
3. Easily setup the product via smart device if touch the “settings” icon
   - It will be rebooting when save button after finished setup
PLAYBACK & BACKUP - iOS

- Touch “Search” button, Playback list screen and recording list will appear
- Select to playback recording what you want to confirm

- “Save” button will activate when pause video playback
- And go to the recorded data to be backed up
- Click the backup button after choosing backup type in selected recording file
Easily setup the product configuration via smart device if click “Settings” icon

- Easily setup the product configuration via smart device if click “Settings” icon
- It will be rebooting when save button after finished setup
PRODUCT WARRANTY CARD

Thank you for using GNET vehicle recorder
GNET System Co., Ltd Consumer compensation in accordance with the provisions of the following quality assurance

- This product is manufactured through a process of strict quality control and inspection. In normal use, Product will be repaired for free of charge if there isn’t consumer’s fault. The service fee might be charged if warranty repair instructions applicable.

- Warranty period of each product is as follow

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Product(Camera)</td>
<td>1 Year</td>
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<tr>
<td>Memory Card, External GPS</td>
<td>3 Months</td>
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<tr>
<td>Adhesive Tape, SD Reader</td>
<td>Warranty does not cover</td>
</tr>
<tr>
<td>Power Cable, Uninterrupted Cable, AV Cable</td>
<td>2 Months</td>
</tr>
</tbody>
</table>

The warranty period starts since the date you purchase product (Check the receipt, if date not confirmed manufactured date + 2 months)

Consumer Service : The place where you purchase, GNET System
6F Lotte IT Castle II Gasan Digital 2ro 98, Geumcheon-gu, Seoul, Korea

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>GNET Vehicle Recorder</th>
<th>MODEL</th>
<th>GL-200</th>
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</thead>
<tbody>
<tr>
<td>Purchasing Date</td>
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<tr>
<td>Serial No.</td>
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