



OPERATION MANUAL OF VIEWER SOFTWARE

Referring to the Instruction Manual, install the Viewer Software to the PC.

Attached Software: Hardware Requirement for HKS DMR Viewer

- System Structure: CPU · Core2Duo or greater RAM · 2GB or more
 - Hard Disk · 50GB or more
 - Internet Accessible Display Resolution · 1,280 x 800 or higher
 - OS · Microsoft Windows 7(32/64bit), Windows 8, Windows 8.1 Internet Explorer 7.0 or later

※This requirement may be changed due to the OS of the PC or other software environment.

Software usage consent

This software is intended only for those who have accepted the following terms and agreements. Read the following agreement and proceed upon approval.

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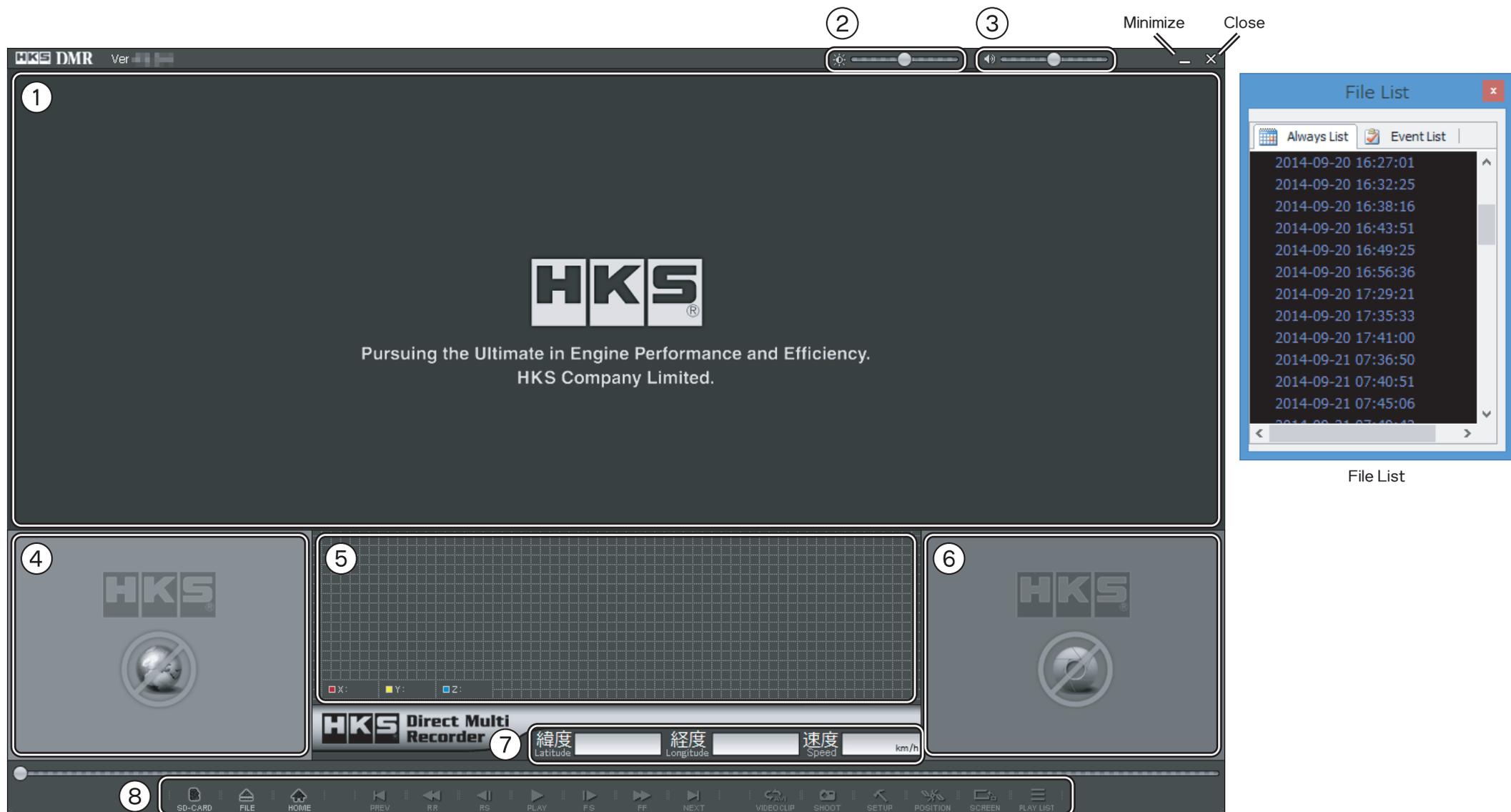
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This software is a dedicated viewer for HKS DMR-200D. With this software, video recorded by DMR-100D and DMR-150D cannot be viewed, settings of DMR-100D and DMR-150D cannot be changed.

- **To handle and operate the PC and its peripheral equipment, follow the factory instruction manuals. Please understand that HKS does not provide support to the user for the handling and operation of the PC and its peripheral equipment.**

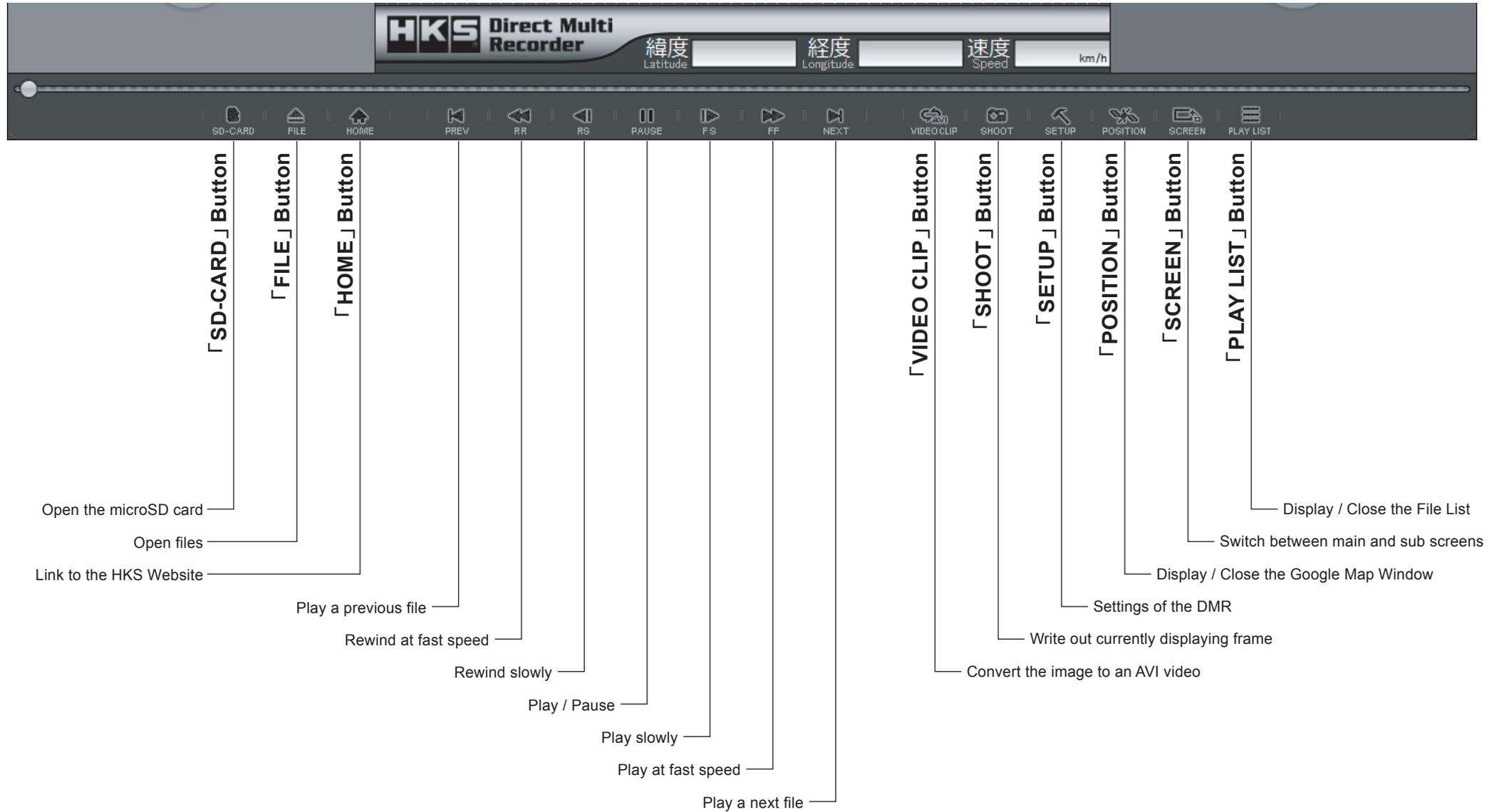
View Software and Functions



No.	Description	Function
①	Main Screen	Displays currently playing file.
②	Brightness	Control brightness of the image. (dark←→bright)
③	Volume	Control volume. (small←→large)
④	Map Screen	Displays the Google Map.

No.	Description	Function
⑤	G Sensor Graph	Displays G sensor data as graph and numbers. X:back & forth, Y:right & left, Z:up & down
⑥	Sub Screen	Displays the Second camera image.
⑦	GPS/Speed	Display GPS data and vehicle speed.
⑧	Control Button	Control Video and other function.

Control Button function



To view images on Viewer Software

- **To handle and operate the PC and its peripheral equipment, follow the factory instruction manuals. Please understand that HKS does not provide support to the user for the handling and operation of the PC and its peripheral equipment.**

1.Connecting to the PC

Turn off the DMR main unit, and eject the microSD card from the DMR main unit after all LED go out, and insert the memory card to the USB card reader connected to the PC.

A USB card reader is not included to this product; it must be prepared separately.

2.Starting-up the Viewer Software

Double-click the icon of the shortcut, or start the software from the "All Programs." The screen appears when starting-up begins.

3.Open a File

Click 「SD-CARD」 button, and select the microSD card. It is also possible to select files directly to click 「FILE」 button.

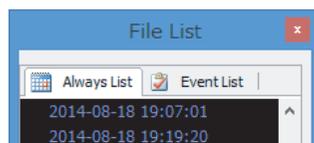
After select the microSD or files, the password input window is displayed. Enter the four-digit lock number, and click [OK].



Default lock number is [0000]. The number can be changed in the Setting window. (ref. page6)

4.List of Files

When a file is opened, the File List window is displayed. And images are played from the top file.



Images recorded under "Constant Recording" are stored in "Always" tab, and images recorded under "Shock Sensing Mode" are in "Event" tab.

To convert images to AVI videos

Images recorded by DMR main unit cannot be viewed by general media players other than this viewer software. Converting videos to AVI format enables images to be viewed as per the screen of the viewer by general media players with the exception of the control parts.

Video time intervals can be changed.

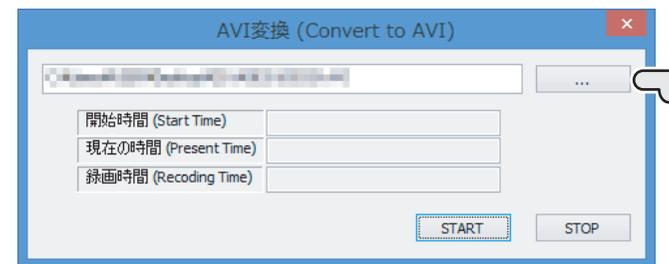
The size of the converted video is 1280 x 720.

1.Preparation before Conversion

Click 「VIDEO CLIP」 button while playing the file to be converted.

2.Conversion Window

Conversion window appears. Select the saving destination and file name.



3.Conversion Start

Click [START] button at the point where conversion should be started. "Start Time" shows the time to start, and "Recording Time" shows the elapsed time.

ADVICE

Operations of pausing, fast/slow motion playback, time/file conversion, etc. are reflected. The images seen on the monitor are exactly converted to AVI format. (Expect the Map Screen)

4.Conversion End

Click [STOP] button at the point where conversion should be stopped. The recording time window appears; then, click [OK] after confirmation. The converted file is generated in the saving destination selected in 2.

To capture the image

The image during playing or pausing and all displays of the Viewer Software (exclude control buttons and header) can be captured.

Click 「SHOOT」 button.

The save window is displayed. Set the destination and the file name, and click [SAVE] to save the captured image.

To display the Google Map window

Click 「POSITION」 button.

Another Google Map window is opened and driving route appears. Internet access is required. Click the button again to close the window.

To switch between main and sub screens

Click 「SCREEN」 button.

Switch between main and sub screens.

To display the File List window

Click 「PLAY LIST」 button.

The window is opened. Click the button again to close the window.

Link to HKS website

Click 「HOME」 button.

HKS website is shown through the external browser. Internet access is required.

To close the software

Click button in the software upper right.

The software is closed.

Width of G Sensor Graph

The width of G sensor graph may vary depending on driving conditions. The width narrows when the information shown on the monitor increases in such location as a city, forest, etc.

Reproduction from the PC

Copy "EVTINFO.DMR" and "RINFO##.DMR" from the microSD card to the PC to reproduce the data. Make sure to copy "LSTINFO.DMR" to the folder that other 2 data are stored.

Setting of the DMR main unit

DMR main unit and Viewer Software settings can be edited.

Settings can be edited on the Viewer Mode of the DMR main unit. ("GMT Set" cannot be edited.)

Refer to page 22 of the Instruction Manual.

Click 「SETUP」 button when the microSD card is opened.

Setting window is displayed.

Click [OK] when using the settings.



⚠ Caution

●Select the proper cutoff voltage for a vehicle DMR is installed.

Improper voltage selection may cause malfunction of DMR and/or discharged battery.

For 12V vehicle, set the voltage to between 10.1V to 12.9V, and for 24V vehicle, set between 20.1V to 25.9V.

Item	Default Setting	Setting Contents
Frames/Sec.	10	The greater the number of this item become, the greater the resolution of the image can be achieved; on the other hand, the record time is shortened.
Parking Mode	OFF	Image is recorded utilizing the motion sensing function while a vehicle is parked. When the recorded image remains unchanged for 10 minutes, the mode is automatically switched to the parking mode. Under the parking mode, recording starts only when any movement is detected by the monitor. ※Recording may not be functioned properly depending on circumstances. DMR automatically starts normal operation when any impact is detected or a vehicle moves. When using a constant power cable, turn this item on to protect a battery of the vehicle.
Cut Voltage	12.3V	When the battery voltage falls below the set voltage for 10 seconds, DMR automatically stops its operation. When the battery voltage exceeds the set voltage, DMR automatically restarts its operation.
G-Sensor	OFF	To set the G-sensor sensitivity. Select expect 『OFF』"ON" to record the image when shock/impact is detected over the preset level for max 10 seconds before and after the impact is detected. Smaller number is for higher sensitivity. Event image is saved in the dedicated area in the microSD card. Image is not recorded when the sensor does not detect the shock since it is too sensitive or small.
Camera Image Flip	Normal Normal	Change the direction of the main camera and the second camera.
MIC	ON	Select to record sounds or not.
Buzzer	HIGH	Select to beep the sound at the starting-up, exit and button operation of the DMR main unit. The sound cannot be stopped at the button operation or under the error condition.
Time	-	Set the time and date of the DMR main unit.
GMT Set	+9:00	Set the time zone. Set to +9:00 for use in Japan. Firmware version of the DMR main unit [R2HDH6E] or later is required.
Summer Time	-	Select to use summer time or not.
Change the PASSWORD	0000	Change the pass code to playback the recorded image. Enter the current pass code to the top column, new pass code to the second column, and new pass code to the bottom for confirmation. Click "Confirm". The pass code must be 4 digits.



<http://www.hks-power.co.jp/>

株式会社 エッチ・ケー・エス
〒418-0192 静岡県富士宮市北山7181

HKS Co.,Ltd.

7181 Kitayama, Fujinomiya, Shizuoka 418-0192, JAPAN

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