

JCY-1700/S **VDR/S-VDR**

CYC-311A Playback Software Instruction Manual

Version 2.0

< Introduction >

This software is intended to help analyze the data recordings that are stored in a capsule or PC card of VDR/S-VDR installed onboard.

This software chronologically plays back all the data including the radar image, bridge and VHF communication audios recorded in VDR/S-VDR.

- Before using the software, read this manual thoroughly to ensure correct use.
- Keep the manual in a convenient location so that it can be used easily whenever necessary.
- Use this manual to check the operation of the software or at the occurrence of a fault.

Note	The install CD-ROM of the Playback software is kept on the back side of the VDR/S-VDR equipment door. After installing the software, please return the CD to the place.
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Before Using

< Before Using >

Icons

This manual and product employ various icons to enable users to use the product safely and correctly, and to prevent any harm to users or others, and to prevent damage to the property.

The icons and the meanings are indicated below.

	WARNING	Incorrect use of the equipment by ignoring this icon may cause death or a serious injury.
	CAUTION	Incorrect use of the equipment by ignoring this icon may cause an injury or physical damage.

Example of icons



Electric shock

The △ symbol indicates a caution (including danger or warning).

Inside of the symbol indicates the actual details (this icon indicates the caution regarding electric shock).



Disassembly prohibited



Prohibited

The ⊘ symbol indicates prohibition.

The actual contents (this icon indicates “disassembly prohibited”) are provided inside or alongside of the symbol



Remove Plug



Instruction

The ● symbol indicates an action or instruction. The actual contents (this icon indicates removal of the power plug from socket) are provided inside of the symbol

< Notes on Using >

 WARNING	
	Do not disassemble or remodel this equipment. Such action may cause fire, electric shock, or an equipment fault.
	Do not use any AC/DC adaptor other than attachment. Such action may cause fire, electric shock, or an equipment fault.
	Do not use any power supply voltage other than the specified voltages. Such action may cause fire, electric shock, or an equipment fault.
	Do not use any battery other than specification. Such action may cause burst of a battery by liquid leak, fire, or injury.
	Do not put containers into which it went, such as water, or a small metal thing on this equipment top or near. When water enters or a metal thing falls into the equipment, it becomes the cause of a fire, an electric shock, and failure.
	Do not damage a power cord or process it. If put a heavy thing, heat, it pulls or it bends by force, a power cord will be damaged and it may become the cause of fire and electric shock.
	When a fault occurs, turn off the power supply of this equipment, remove the plug, and contact the Sales Department of Japan Radio Company, nearest branch company, branch office, sales office, or our agent. Continuous use may cause fire or electric shock.
	Do not check or repair the inside of the equipment by yourself. Checking or repair by anyone other than the specialist maintenance staff may cause fire or electric shock. Request checking or repair of the inside of the equipment to the sales Department of Japan Radio Company, nearest branch company, branch office, sales office, or our agent.



CAUTION



Do not install the equipment in the location affected by water, humidity, dust, or soot. It may become the cause of fire, electric shock, or a fault.



Do not put in from a vent foreign substance, such as metal or a thing which is easy to burn. It may become the cause of fire, electric shock, or a fault.



Do not put on a place with many vibration and shocks. It may fall and may become the cause of an injury and failure.



Do not wet this equipment or do not put in water. It may become the cause of electric shock, or a fault.



Do not plug up the vent of this equipment. It may be filled with heat and fire and failure may occur.



When the equipment is not used for a long time, pull out a power supply plug from a wall socket for safety. It may become the cause of fire or electric shock.



Pull out a plug from a wall socket for safety at the time of care. It may become the cause of fire or electric shock.



Be careful of a computer virus.

If a computer is infected with a virus, it may suffer the damage of an unusual display, a program, and data being destroyed, and may become the cause of failure.

Please confirm whether it is infected with the computer virus, using a virus checker program periodically.

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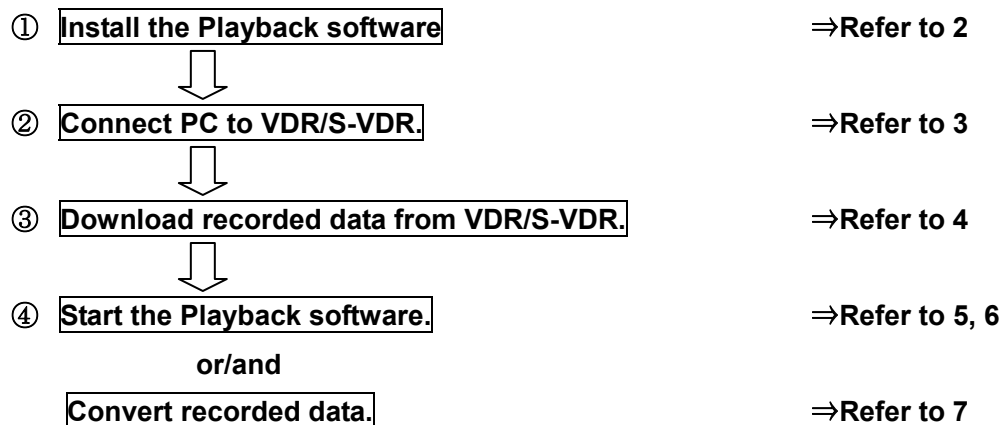
Chapter1 Outline

This software intends to be used for playing back recorded data required the International Standard in a protected capsule or a PC card of VDR/S-VDR equipment.

Record data

- Configuration data of VDR/S-VDR
- Sensor data
- Bridge audio and VHF communication
- Radar image

1.1 Operation flow



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Chapter2 Installing Playback Software

2.1 PC specification

Confirm the following system requirement on your PC.

OS	:	Windows XP Professional or Home Edition Windows Vista (SP1) Windows 7
CPU	:	Minimum Pentium M Processor730 1.6GHz or Higher
RAM	:	Windows XP Minimum 512MB Windows Vista / Windows 7 Minimum 1GB
HDD	:	Minimum 40GB
Display Resolution	:	1024×768 dots (Recommend XGA)
CD drive	:	CD-ROM
Card drive	:	PCMCIA Type II

Chapter2 Install Playback software

2.2 How to install

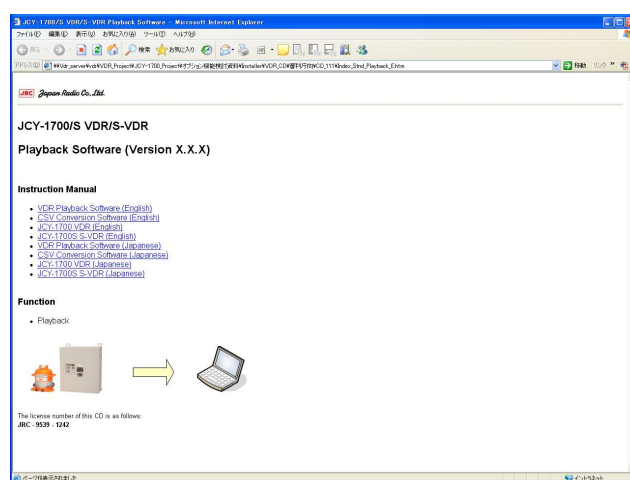
Install the Playback Software in a PC in accordance with the following operation.

- (1) Insert the Install CD-ROM in a CD drive.
- (2) After a while, Installer starts and the following web screen opens automatically by AUTORUN.

To continue installation, please operate from (4).

(If the installer does not start, click "SetupE.exe" after selecting the CD drive by My Computer.

And then operate from (3). For the instruction on how to install in PC of Windows Vista and after, refer to Note on next page.)

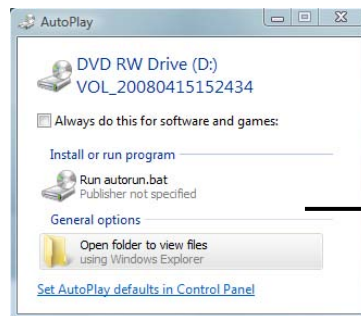


Note	The following contents are possible to refer in the web screen. • Playback software instruction manual • CSV Conversion instruction manual • JCY-1700 VDR instruction manual • JCY-1700 S-VDR instruction manual • Basic Instruction for Downloading Data from VDR/S-VDR
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Note

The Instruction of how to install in Windows Vista and Windows 7 PC

- In order to install Playback Software, always login PC as administrator, and execute the installation.
- Insert Installation CD-ROM in CD drive. After a while, AUTORUN function starts up and the following screen displays. Select "Open folder to view files."

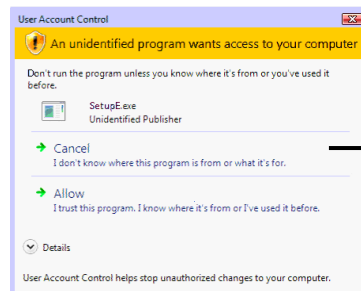


Open folder to view files

- Run SetupE.exe in the folder by left-clicking it, then the following confirmation screen for execution displays.

For Windows XP

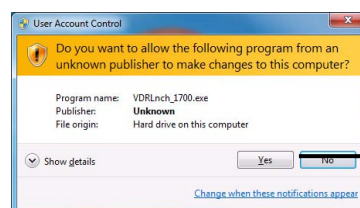
Select "Allow" by left-clicking it, then the installer starts up.



Allow

For Windows 7

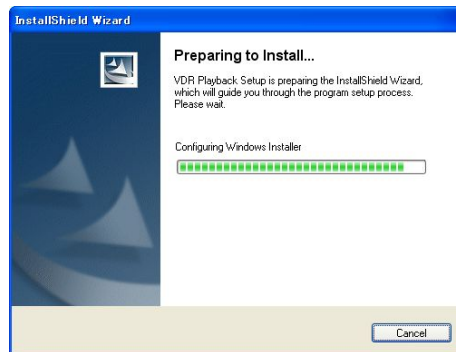
Press [Yes] button, then the installer starts up.



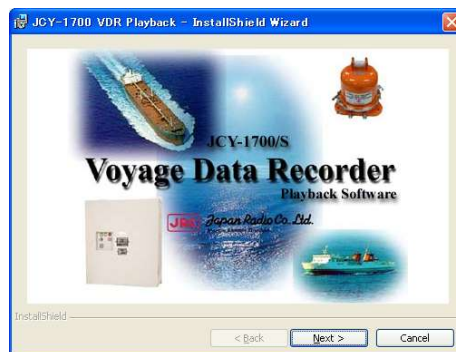
[Yes] button

Chapter2 Install Playback software

- (3) The preparation for the installation are started.



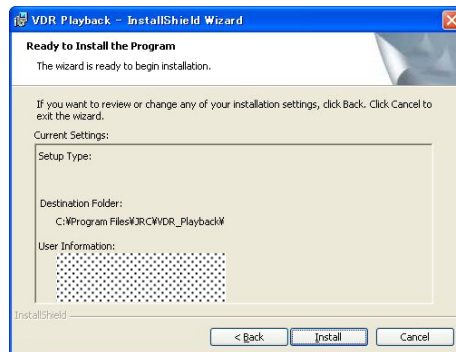
- (4) The opening screen is indicated, and click [Next] button.



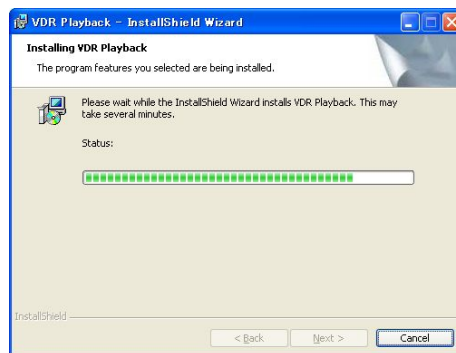
- (5) The Install Shield Wizard for the Playback software starts, and click [Next] button.



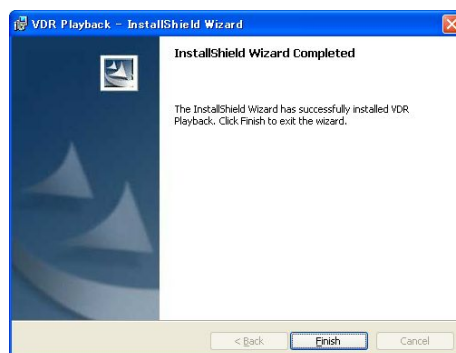
- (6) The confirmation screen where the installation folder and user information are shown is indicated, and click [Install] button.



- (7) Install is started, and progress bar is indicated.



- (8) The Install Shield Wizard completion screen is indicated, and click [Finish] button.



Chapter2 Install Playback software

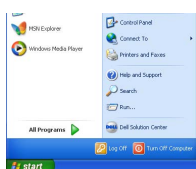
- (9) Please eject the Install CD-ROM from the CD drive, and keep the Installation CD-ROM carefully.

Note	The install CD-ROM of the Playback software is kept on the back side of the VDR/S-VDR equipment door. After installing the software, please return the CD to the place.
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- (10) Since Playback software partially uses network communication, disable the firewall function on your PC in accordance with the following procedure.

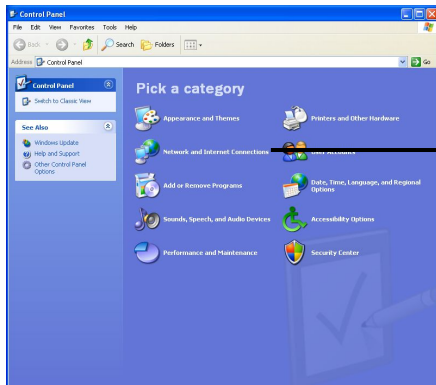
●For Windows XP

- Click [Start] button, and then click “Control Panel” in Start menu.



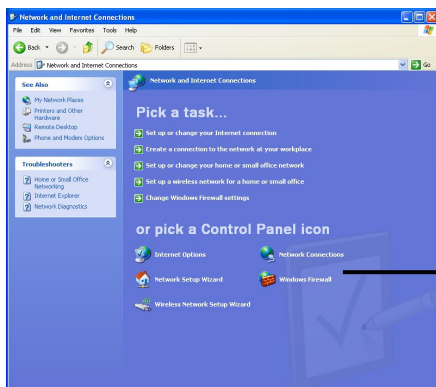
Control Panel

- Click “Network and Internet Connection”.



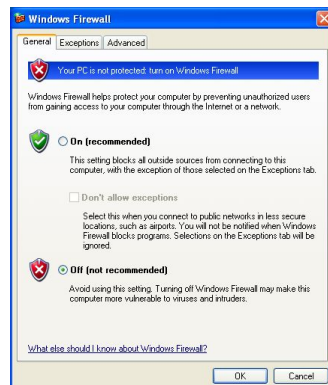
Network and Internet
Connection

- Click “Windows Firewall”



Windows Firewall

- Select “Off (not recommended)”, and click [OK] button.

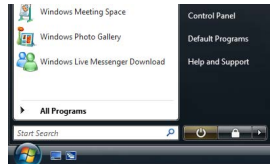


Off (not recommended)

Chapter2 Install Playback software

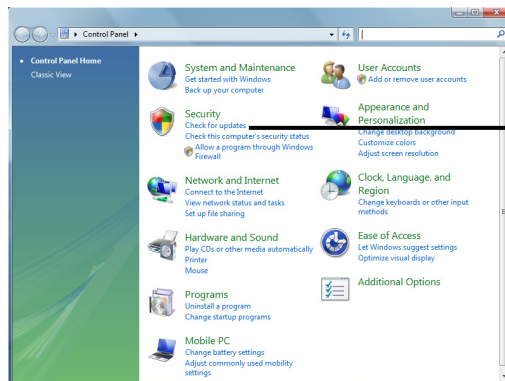
●For Windows Vista

- Click [Start] button and then click “Control Panel”.



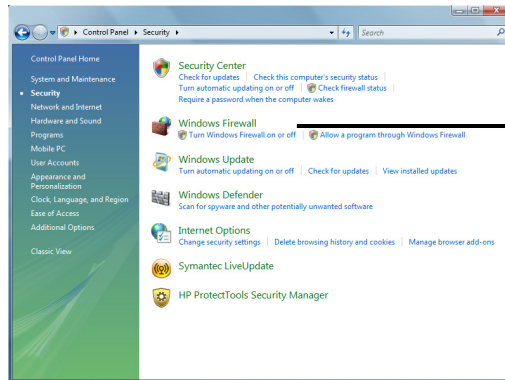
Control Panel

- Click “Security”.



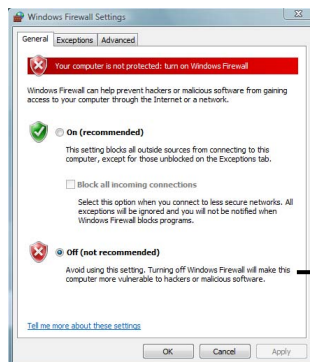
Security

- Click “Turn Windows Firewall on or off”.



Turn Windows Firewall on or off

- Select “Off (not recommended)”, and click [OK] button.



Off (not recommended)

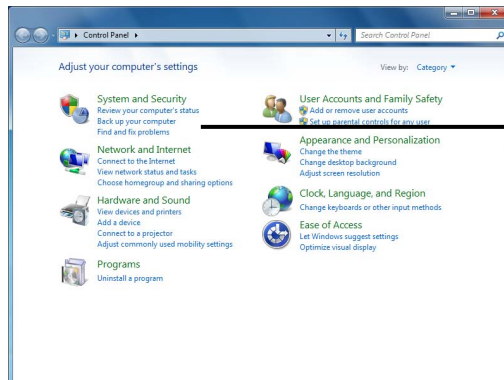
● For Windows 7

- Click [Start] button and then click “Control Panel”.



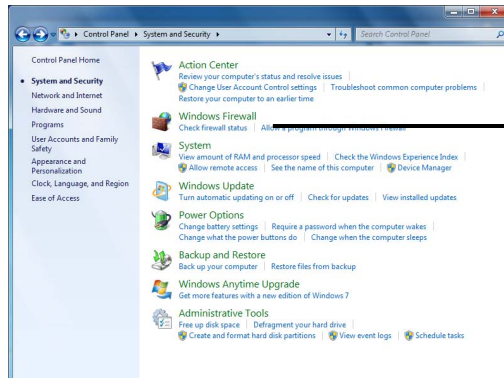
Control Panel

- Click “System and Security”.



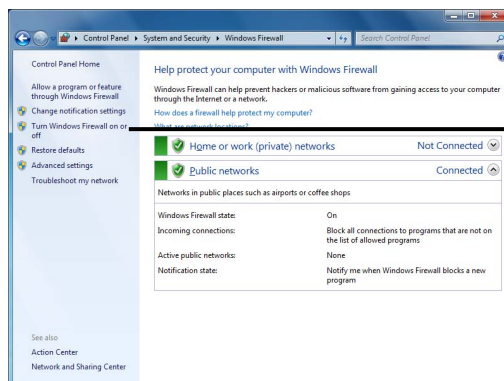
System and Security

- Click “Windows Firewall”.



Windows Firewall

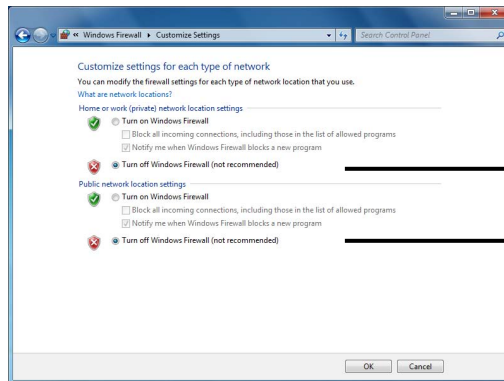
- Click “Turn Windows Firewall on or off”.



Turn Windows Firewall on or off

Chapter2 Install Playback software

- Select “Turn off Windows Firewall (not recommended)”, and click [OK] button.

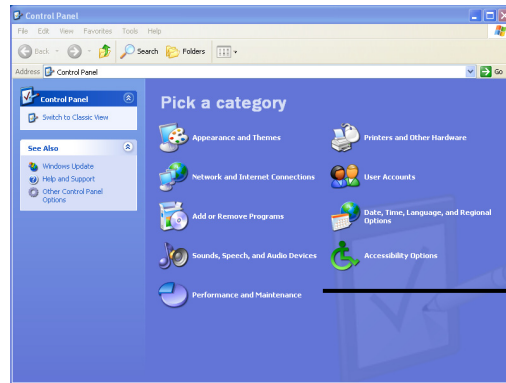


Turn off Windows Firewall
(not recommended)

(11) Set power option so that your PC does not enter system standby (sleep) or hibernation while operating Playback software.

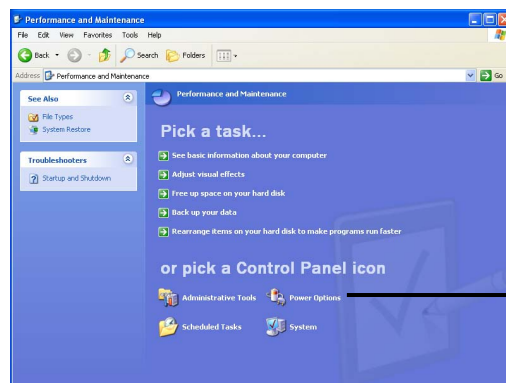
●For Windows XP

- Click “Performance and Maintenance” in the Control Panel screen.



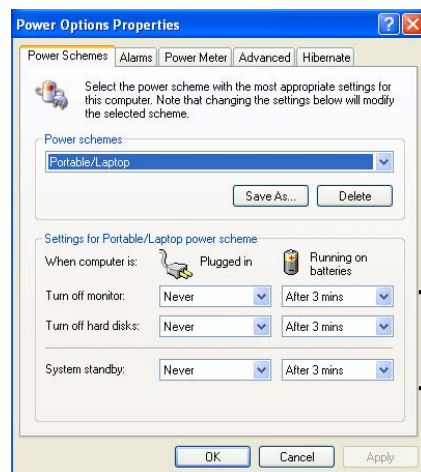
Performance and Maintenance

- Click “Power Option”.



Power Option

- Select “Never” under “Plugged in” of “Turn off hard disks” and “System standby” on “Power Schemes” tab and click [OK] button.

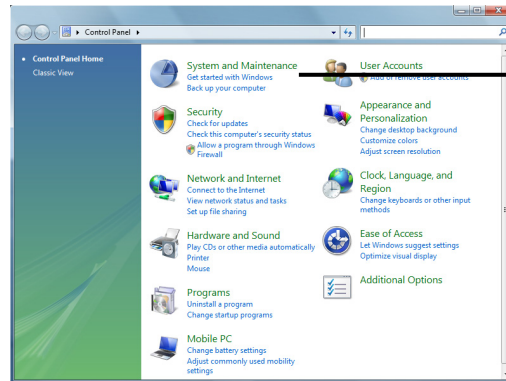


Never

Chapter2 Install Playback software

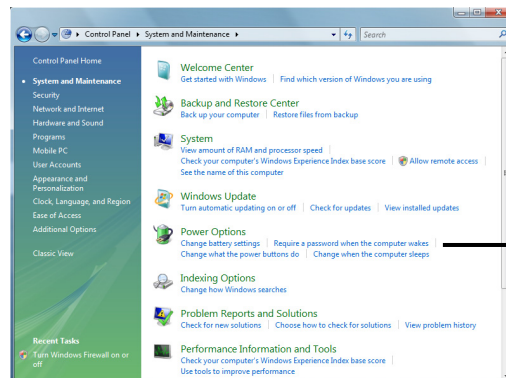
● For Windows Vista

- Click “System and Maintenance” on the Control Panel screen.



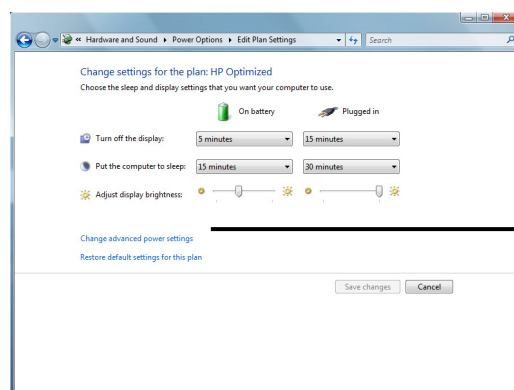
System and Maintenance

- Click “Change when computer sleeps”.



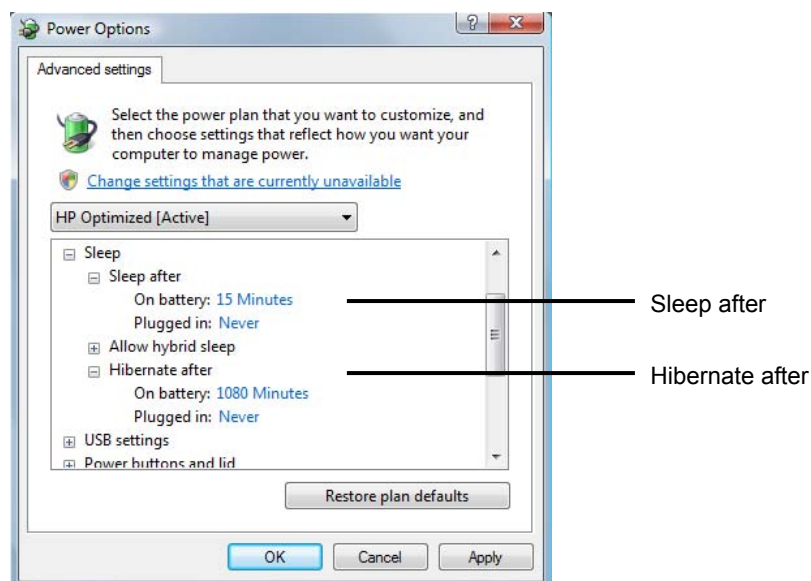
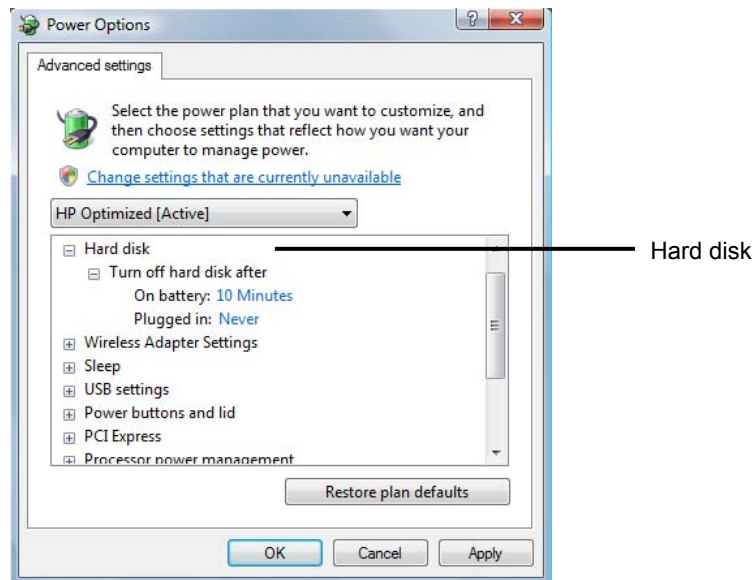
Change when computer sleeps

- Click “Change advanced power setting”.



Change advanced power setting

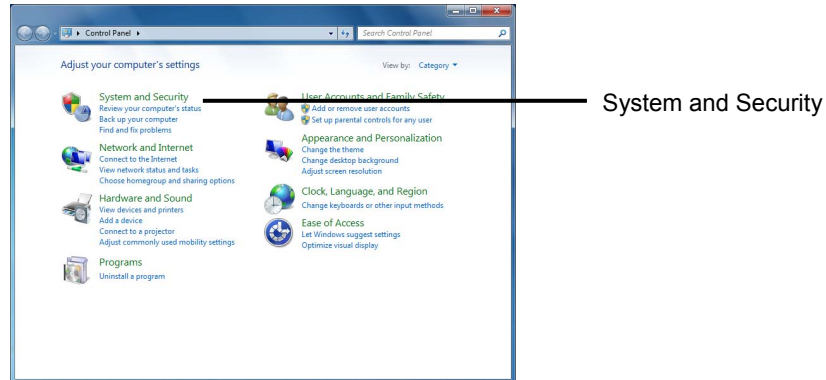
- Select "Never" for "Plugged in" of "Hard disk", "Sleep after", and "Hibernate after" and click [OK] button.



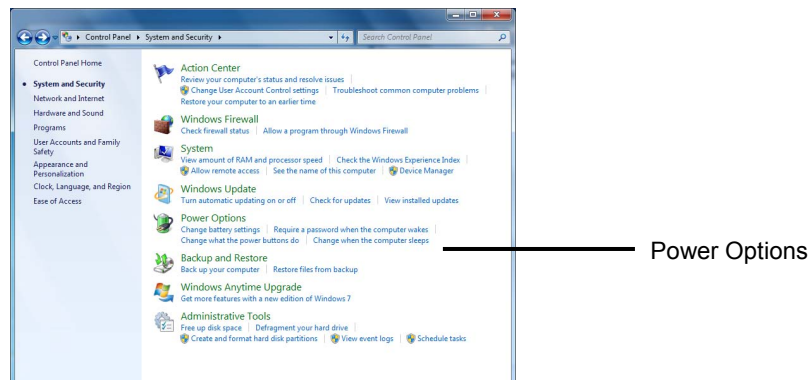
Chapter2 Install Playback software

● For Windows 7

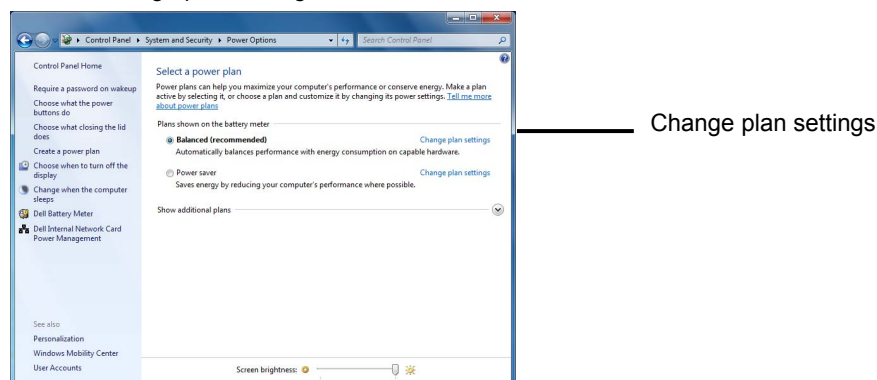
- Click “System and Security” on Control Panel screen.



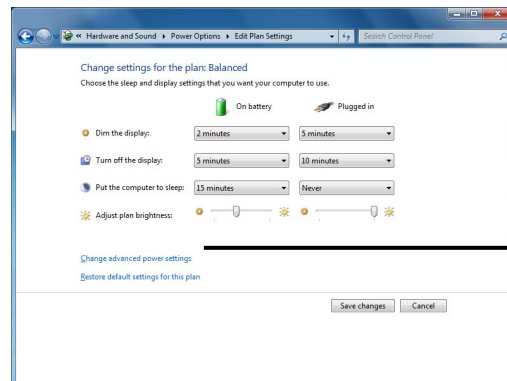
- Click “Power Options”.



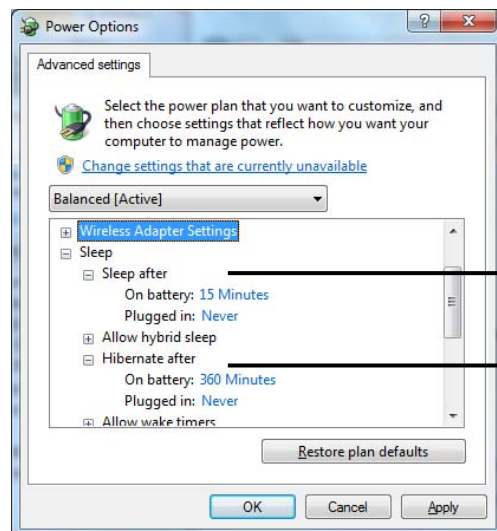
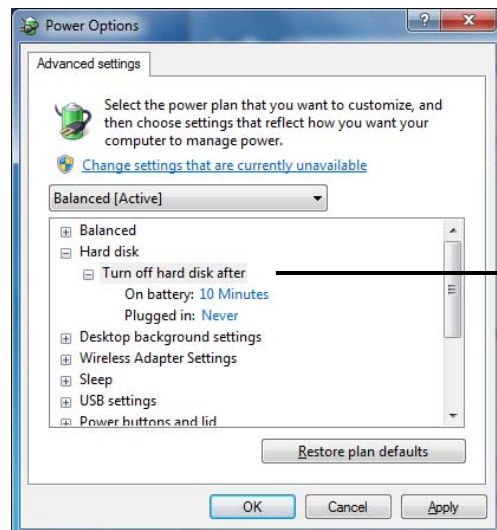
- Click “Change plan settings”.



- Click “Change advanced power settings”.



- Set “Turn off hard disk after”, “Sleep after” and “Hibernate after” to “Plugged in Never”, click [OK] button.

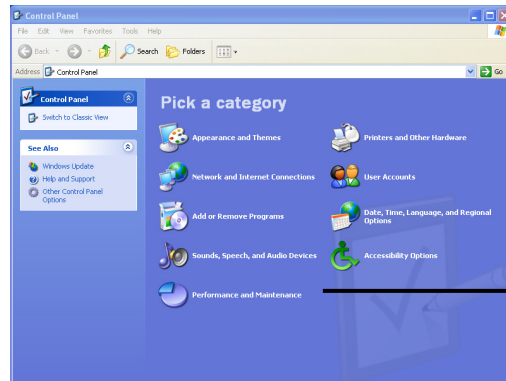


Chapter2 Install Playback software

(12) For notebook or laptop PC, set as follows so that PC does not enter sleep mode when closing the lid.

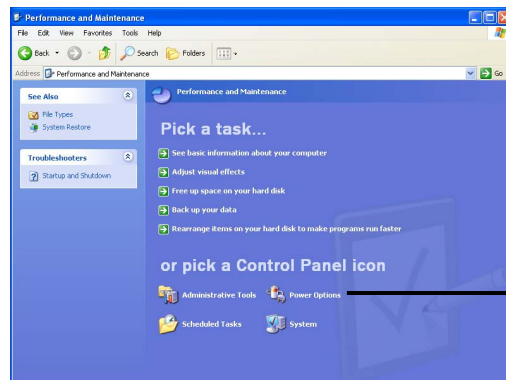
● For Windows XP

- Click “Performance and Maintenance” on the Control Panel screen.



Performance and Maintenance

- Click “Power Option”.



Power Option

- Select “Advance” tab.

Select “Do nothing” under “When I close the lid of my portable computer” and click [OK] button.

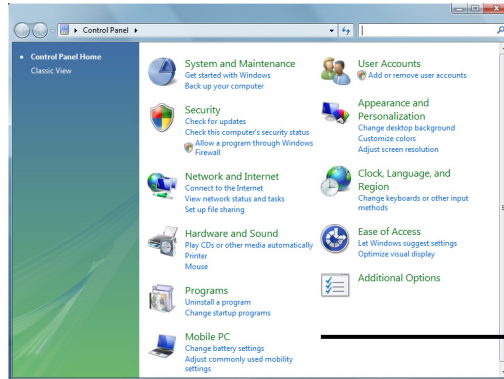


Advance tab

When I close the lid of my portable computer

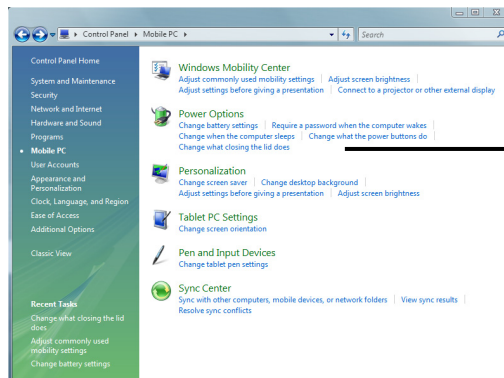
●For Windows Vista

- Click “Mobile PC” on the Control Panel screen.



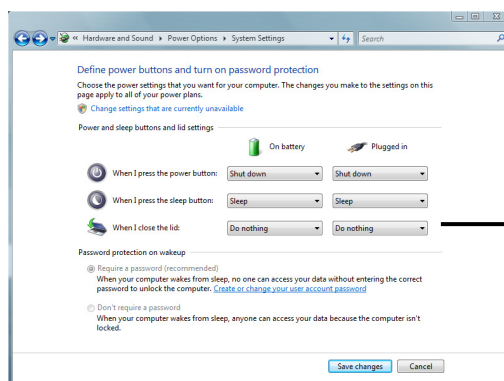
Mobile PC

- Click “Change what closing the lid does”.



Change what closing the lid does

- Select “Do nothing” under “Plugged in” of “When I close the lid” and click [Save changes] button.

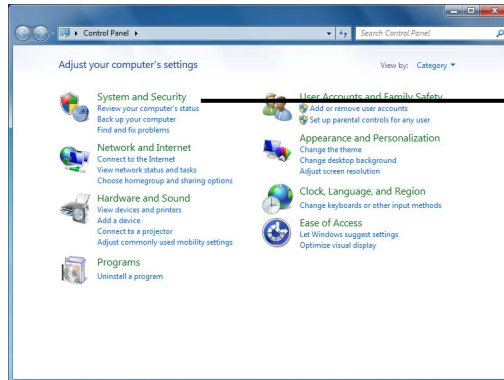


When I close the lid

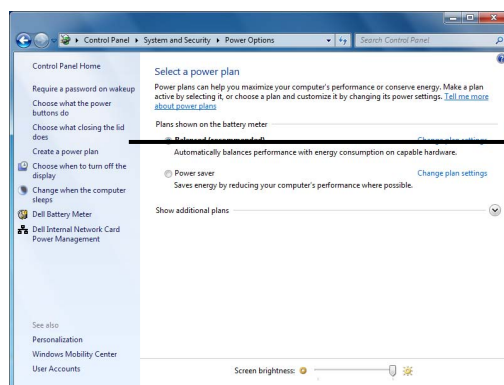
Chapter2 Install Playback software

● For Windows 7

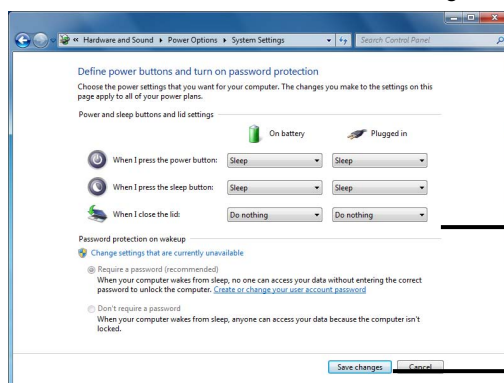
- Click “System and Security”.



- Click “Choose what closing the lid does”.



- Set “When I close the lid” to “Do nothing”, click [Save changes] button.

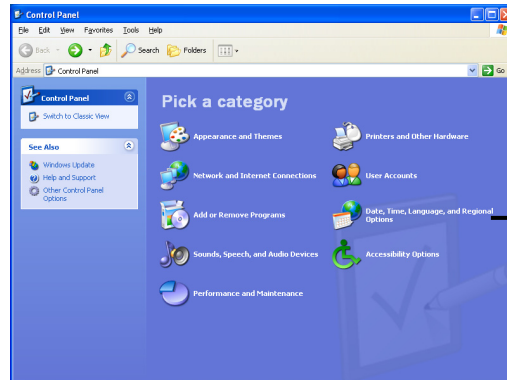


(13) If the operating system (OS) on your PC is not Japanese or English version, Playback software might not display correctly.

Please set language to "English (United States)" or "English (United Kingdom)" as follows.

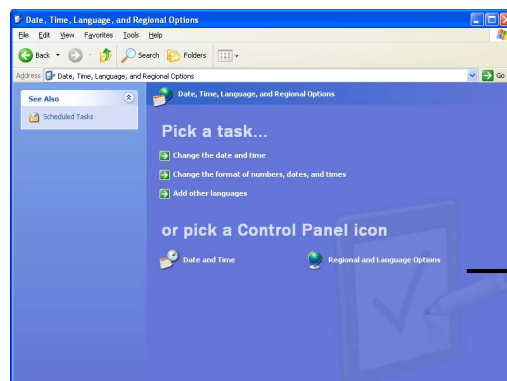
● For Windows XP

- Click "Date, Time, Language, and Regional Options" on the Control Panel screen.



Date, Time, Language,
and Regional Options

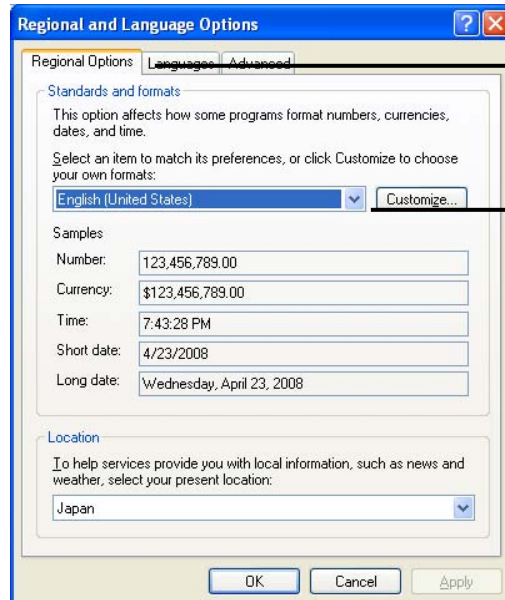
- Click "Regional and Language Options".



Regional and Language
Options

Chapter2 Install Playback software

- Select “Regional Option” tab and select “English (United States)” or “English (United Kingdom)”.



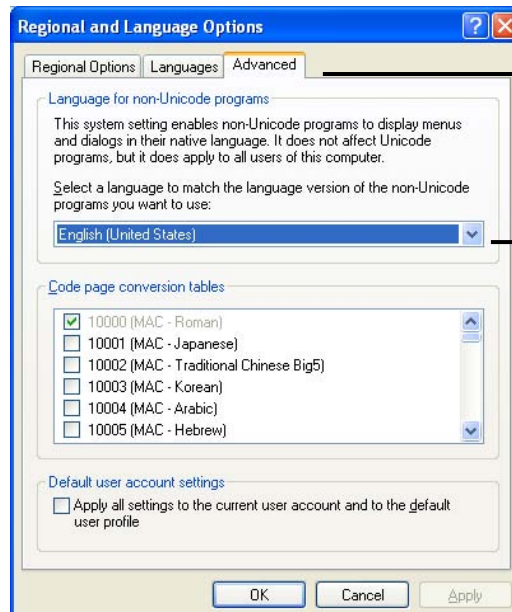
Regional Option tab

English (United States) or
English (United Kingdom)

- Select “Advanced” tab.

Select “English (United States)” or “English (United Kingdom)”, then click [OK] button.

You will be asked to restart Windows, and then restart it.

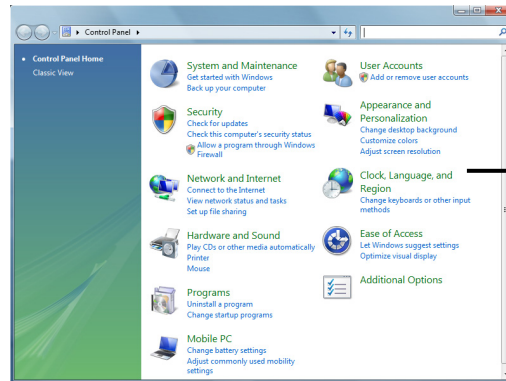


Advance tab

English (United States) or
English (United Kingdom)

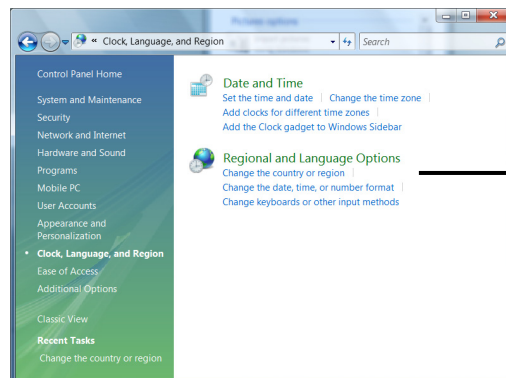
● For Windows Vista

- Click “Clock, Language, and Region” on Control Panel screen.



Clock, Language, and Region

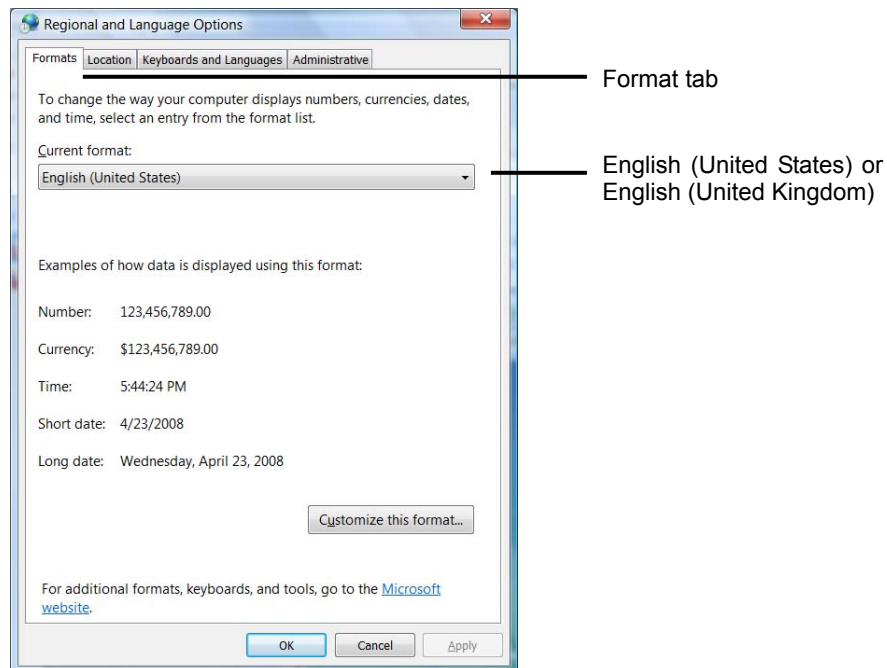
- Click the “Regional and Language Options”.



Regional and Language Options

Chapter2 Install Playback software

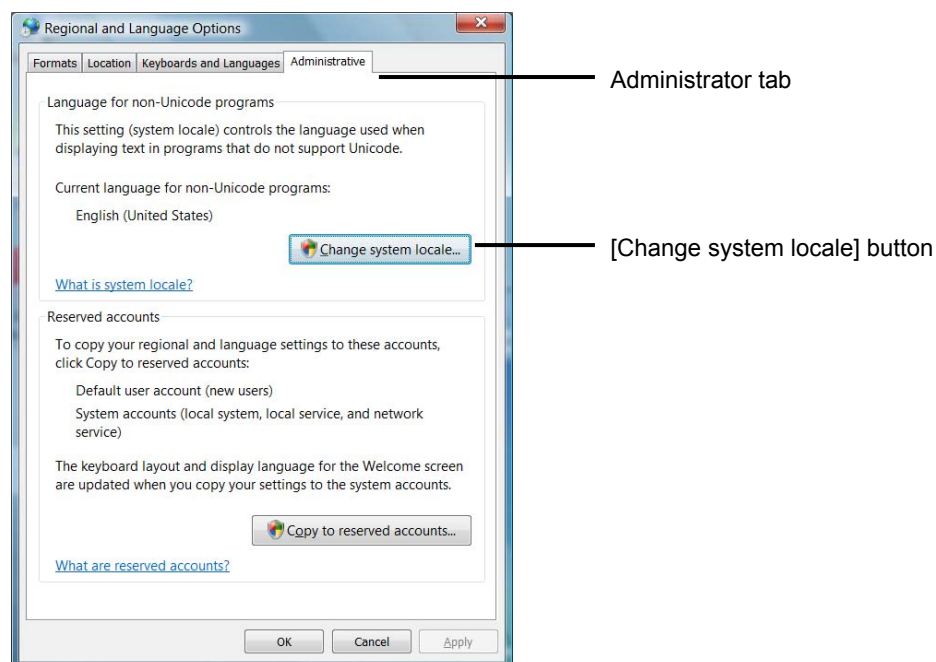
- Select “Format” tab and select “English (United States)” or “English (United Kingdom)”.



- Select “Administrator” tab.

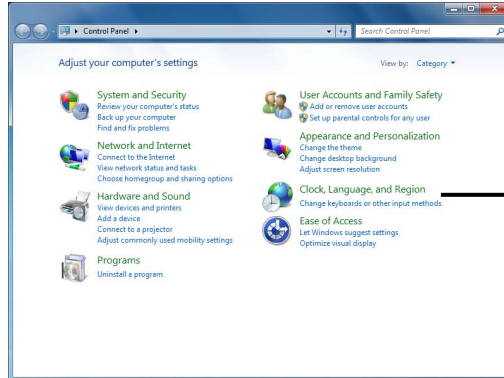
Click [Change system locale] button, and select “English (United States)” or “English (United Kingdom)”, and then click [OK] button.

You will be asked to restart Windows, and then restart it.



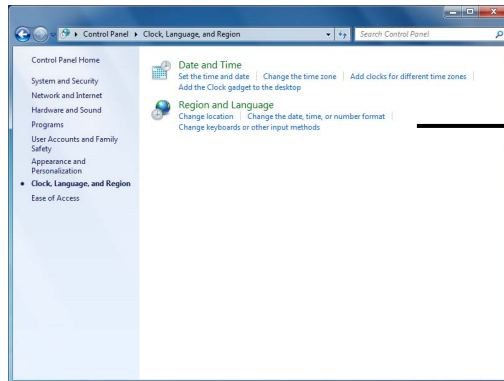
●For Windows 7

- Click “Clock, Language, and Region” on Control Panel screen.



Clock, Language, and Region

- Click “Regional and Language Options”.

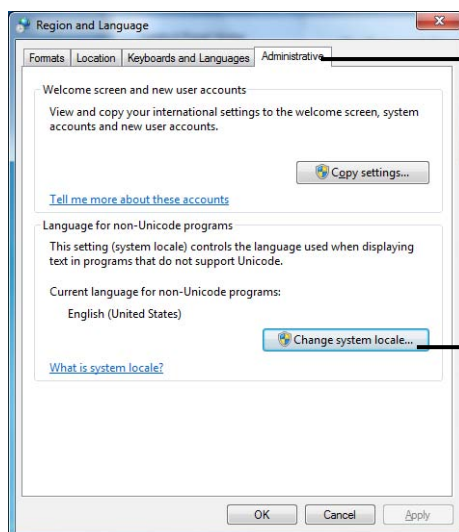


Regional and Language

- Select “Administrative” tab.

Click [Change system locale] button, and select “English (United States)” or “English (United Kingdom)”, and then click [OK] button.

You will be asked to restart Windows, and then restart it.



Administrative

[Change system locale] button

Chapter2 Install Playback software

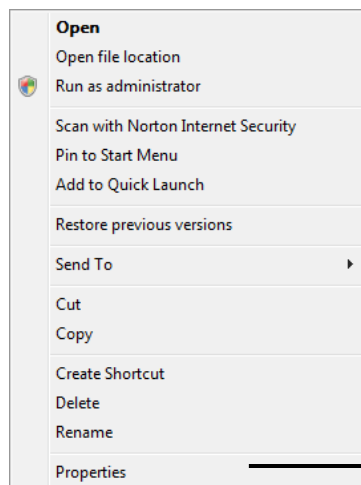
- (14) For Windows Vista PC or Windows 7, since Playback software has to start by the administrator user continually, set as follows.

●For Windows Vista

- Right-click the “JCY-1700 VDR Playback” icon on desktop.

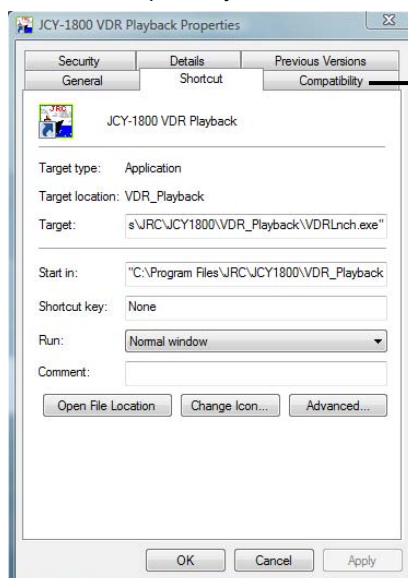


- Select “Properties”.



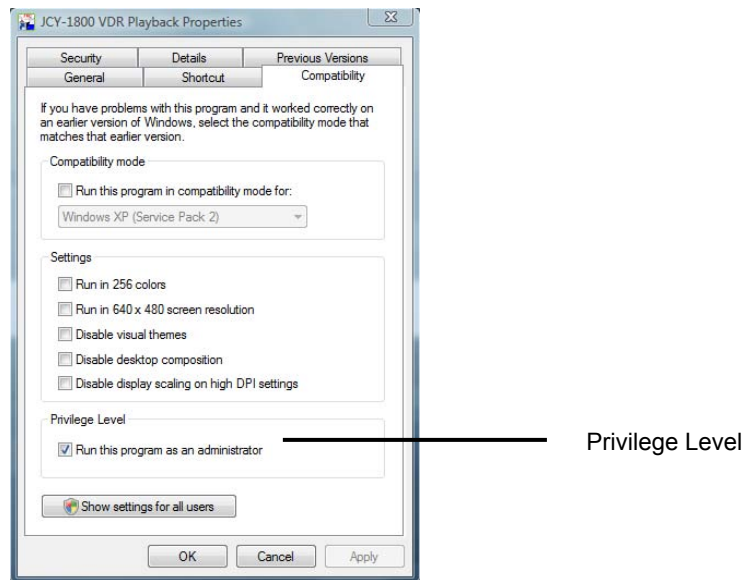
Properties

- Select the “Compatibility” tab.



Compatibility tab

- Input “✓” mark in “Run this program as an administrator” under “Privilege Level”, and click [OK] button.



The setup for Windows Vista PC is completed above.

Note	After installation also, always login as administrator user and use Playback software. In addition, since the confirmation screen is displayed at starting Playback software, please select "Allow" and start the software. The screenshot shows a User Account Control dialog box. It has a yellow header bar with a warning icon and the text 'An unidentified program wants access to your computer.' Below this, it says 'Don't run the program unless you know where it's from or you've used it before.' and shows 'VDRLnch.exe' from an 'Unidentified Publisher'. There are two main buttons: 'Cancel' (with a green arrow) and 'Allow' (with a green arrow). The 'Allow' button is highlighted by a line from the text 'Allow'.
-------------	--

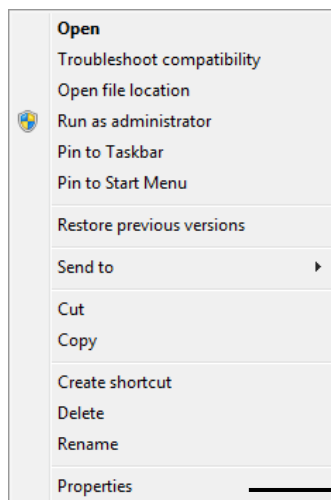
Chapter2 Install Playback software

●For Windows 7

- Right-click the “JCY-1700 VDR Monitor” icon on desktop.

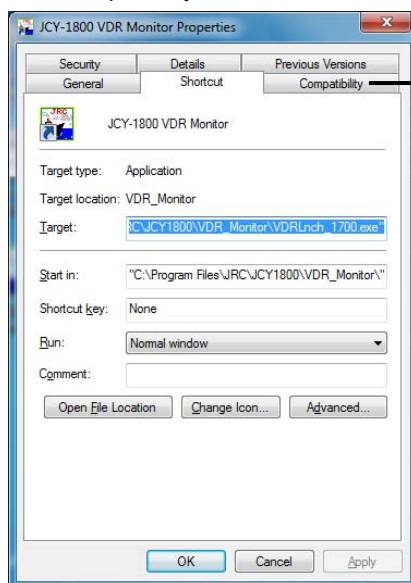


- Select “Properties”.



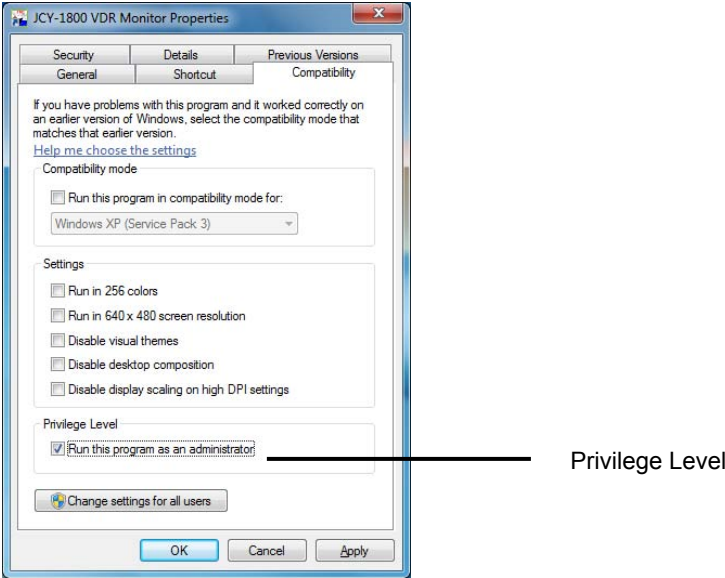
Properties

- Select “Compatibility” tab.



Compatibility tab

- Input “✓” mark in “Run this program as an administrator” under “Privilege Level”, and click [OK] button.



The setup for Windows 7 PC is completed above.

Note	After installation also, always login as administrator user and use Playback software. In addition, since the confirmation screen is displayed at starting Playback software, click [Yes] and start the software. The screenshot shows the 'User Account Control' dialog box. It asks 'Do you want to allow the following program from an unknown publisher to make changes to this computer?'. The program name is 'VDRInch_1700.exe', publisher is 'Unknown', and file origin is 'Hard drive on this computer'. The 'Yes' button is highlighted with a line pointing to it from the text 'Yes'.
-------------	--

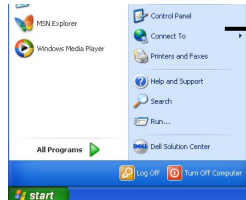
Chapter2 Install Playback software

2.3 How to uninstall

Uninstall the Playback software in your PC in accordance with the below operation.

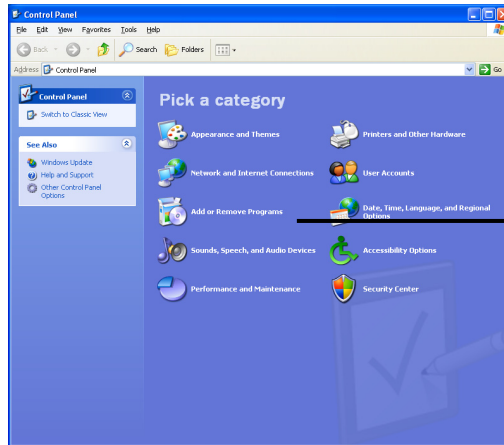
●For Windows XP

- Click [Start] button and click “Control Panel” in Start menu.



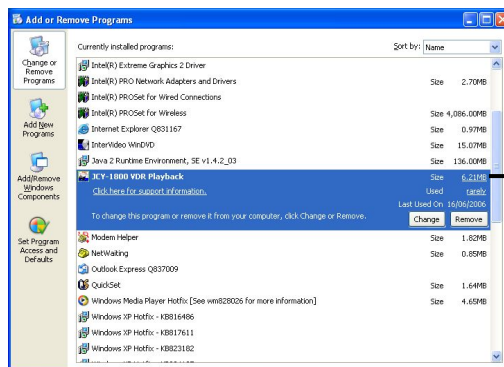
Control Panel

- Click “Add or Remove Programs”.



Add or Remove Programs

- Select the JCY-1700 VDR Playback and click [Remove] button.



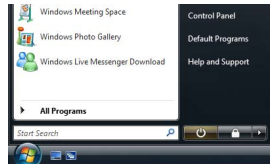
JCY-1700 VDR Playback

- Since some files remain in the installation folder after completing the uninstallation, open My Computer and delete the folder.

Installation folder: C:\Program files\JRC\JCY1700\VDR_Playback

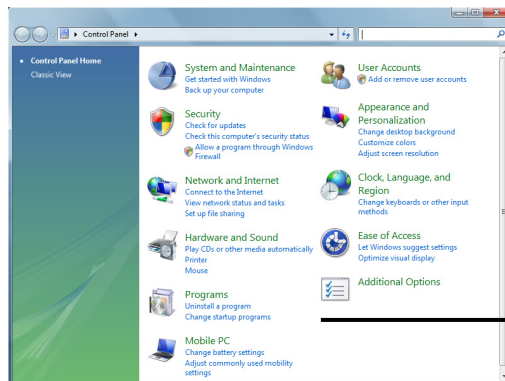
●For Windows Vista

- Click [Start] button and click “Control Panel” in Start menu.



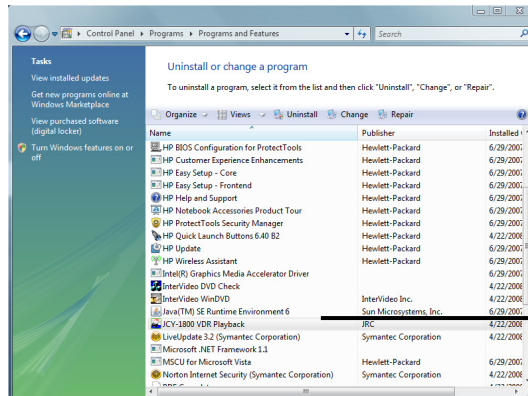
Control Panel

- Click “Uninstall a program”.



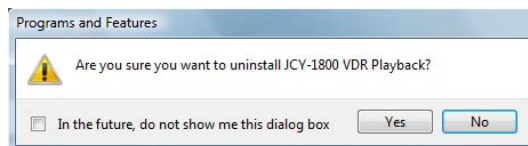
Uninstall a program

- Click “JCY-1700 VDR Playback”.



JCY-1700 VDR Playback

- Click [Yes] button.



- Since some files remain in the installation folder after completing the uninstallation, open My Computer and delete the folder.

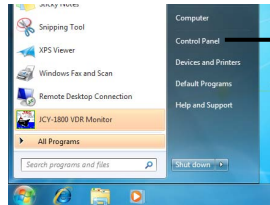
Installation folder: C:\Program files\JRC\JCY1700\VDR_ Playback (32bits OS)

C:\Program files (x86)\JRC\JCY1700\VDR_ Playback (64bits OS)

Chapter2 Install Playback software

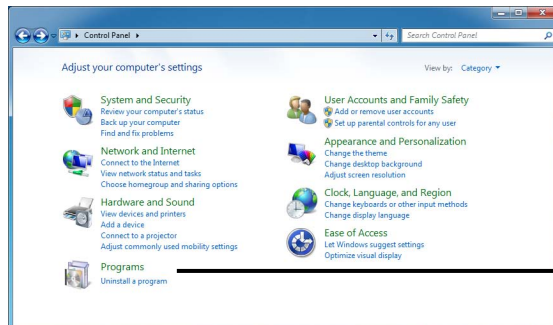
●For Windows 7

- Click [Start] button and click “Control Panel” in Start menu.



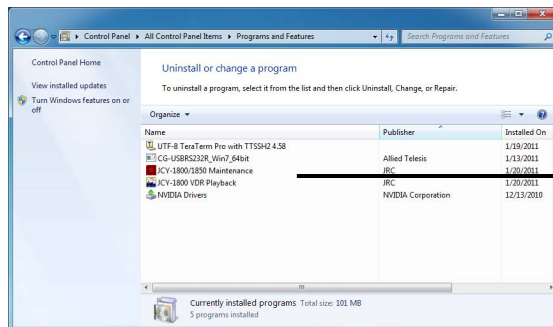
Control Panel

- Click “Programs”.



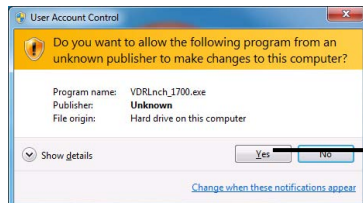
Programs

- Click “JCY-1700 VDR Playback”.



JCY-1700 VDR Playback

- Click [Yes] button.



[Yes] button

- Since some files remain in the installation folder after completing the uninstallation, open My Computer and delete the folder.

Installation folder: C:\Program files\JRC\JCY1700\VDR_ Playback (32bits OS)

C:\Program files (x86)\JRC\JCY1700\VDR_ Playback (64bits OS)

Playback Software / Instruction Manual

Blank Page

Chapter4 Downloading Recorded Data from VDR/S-VDR

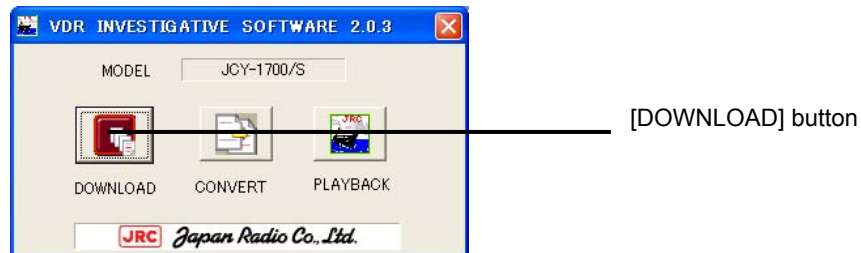
4.1 Downloading Recorded Data from VDR/S-VDR by Download Software

- (1) Click the JCY-1700 VDR Playback icon on the desktop.

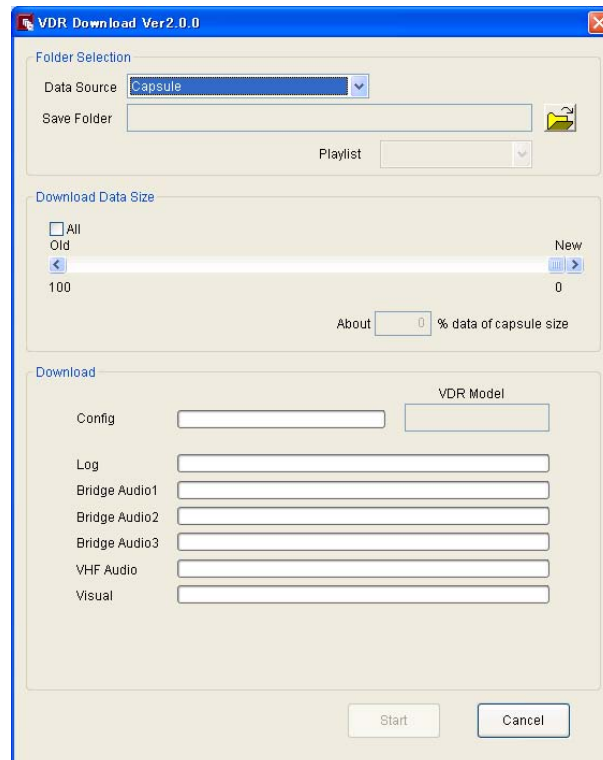
The icon is created automatically after installation.



- (2) Click [DOWNLOAD] button from "VDR INVESTIGATIVE SOFTWARE" launcher menu, and start the download software.



- (3) Download software screen indicates.



Chapter4 Downloading Recorded Data from VDR/S-VDR

(4) Select a storage media (data source) for downloading the recorded data.

- Internal storage (PC Card) ← Protected data by user operation at accident
- Capsule ← Recorded data

Captain stops the recording to the “Internal storage (PC Card)” after accident.

Therefore the recorded data for investigation is stored in the “Internal storage (PC Card)”.

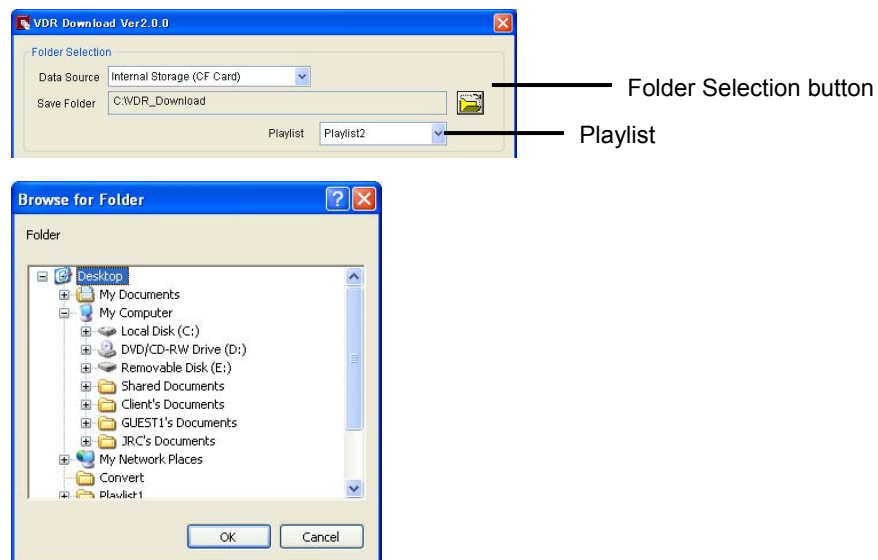
Note	It takes much time to download recorded data from the capsule with its recording. We recommend you to download after stopping the capsule recording. Refer to “10.1 How to stop capsule recording” for more detail.
------	--

(5) Specify the location to save by clicking “Folder Selection Button,” and then select “Playlist”.

(Playlist1 is not selectable.)

When the download starts, playlists (from playlist1 to playlist10) are created automatically under the location to save. Downloaded data are saved in the selected playlist.

Refer to “4.2 Folder Composition” for more detail.



- (6) Set download value with the slide bar.

In downloading all recorded data, enter a check mark into a check box of "All".



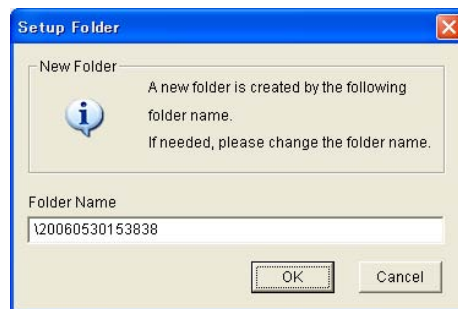
Note) Download data size can be specified in every 1 percent with slide bar.

- (7) Click [Start] button.

The Setup Folder screen opens, and please input certain folder name in save folder if necessary.

As default, date folder name is indicated.

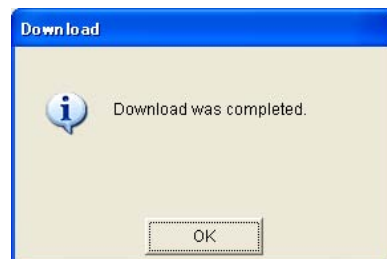
Click [OK] button, and download starts.



- (8) When download starts, download progresses of recorded data are shown by progress bar.

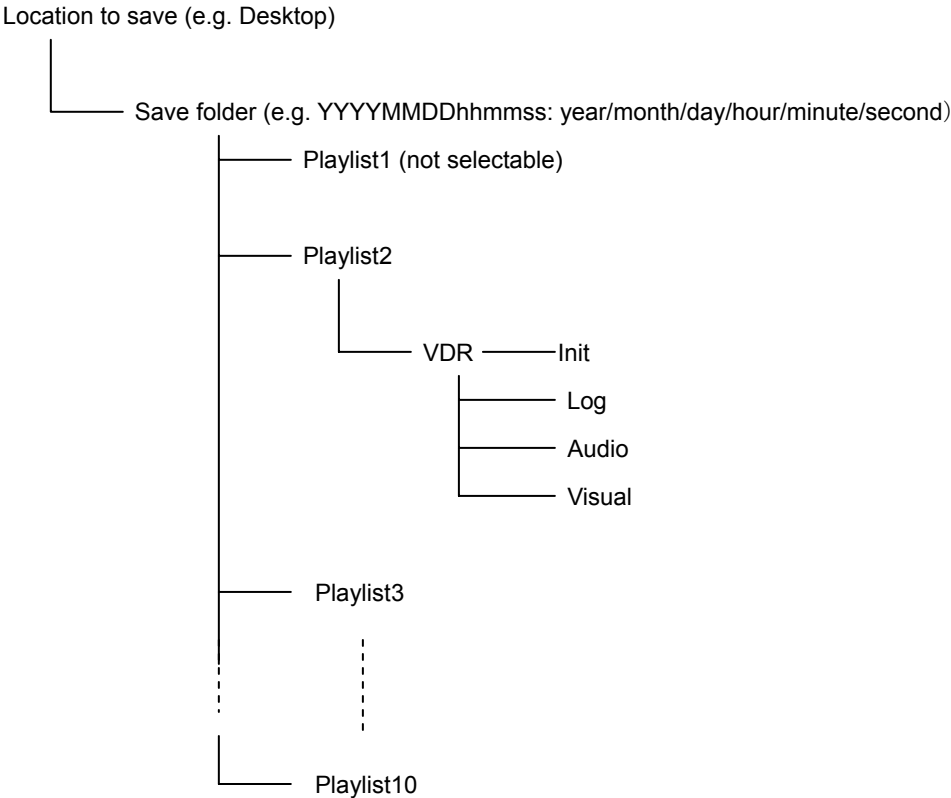
- (9) If the following screen is indicated, download is completed.

Click [OK] button, and close the download software.



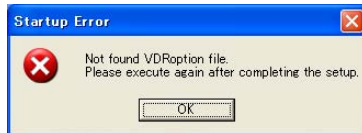
- It requires about 2 hours for downloading all recorded data in "Capsule."

4.2 Folder Composition



Chapter5 Setup for Playback Software

In order to start Playback software, Setup is required. When Playback software is started and the following warning screen is indicated, setup is not completed.



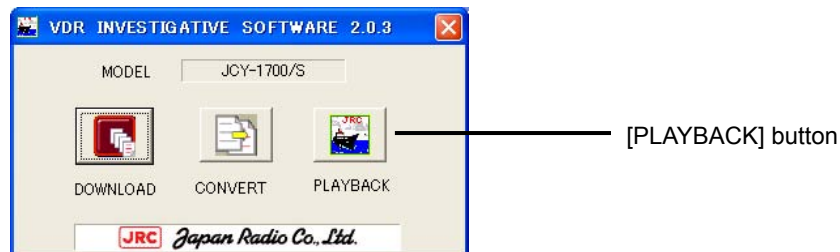
Refer to "Chapter 7 for Converting Recorded Data into Industry Standard Formats".

The Conversion software can convert recorded data in PC card and Capsule into Industry Standard Formats.

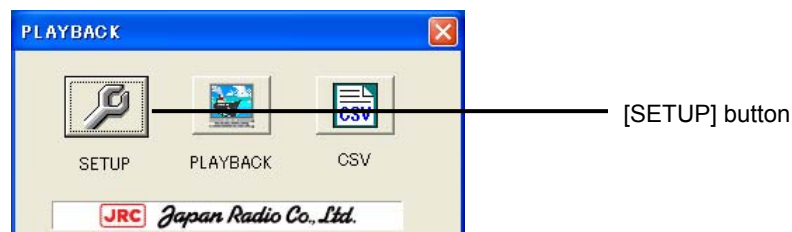
- Log data : can be converted into text file
- Image data: can be converted into Png file
- Audio data: can be converted into Wav file

5.1 Setup Procedure

- (1) Click [PLAYBACK] button from "VDR INVESTIGATIVE SOFTWARE" launcher menu.

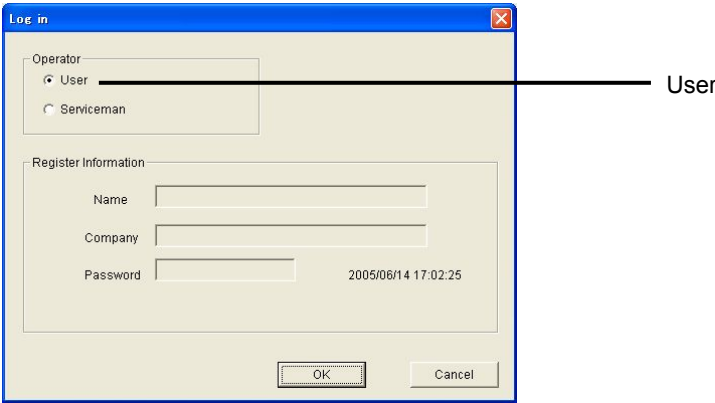


- (2) Click [SETUP] button from "PLAYBACK" launcher menu, and start the Setup software.

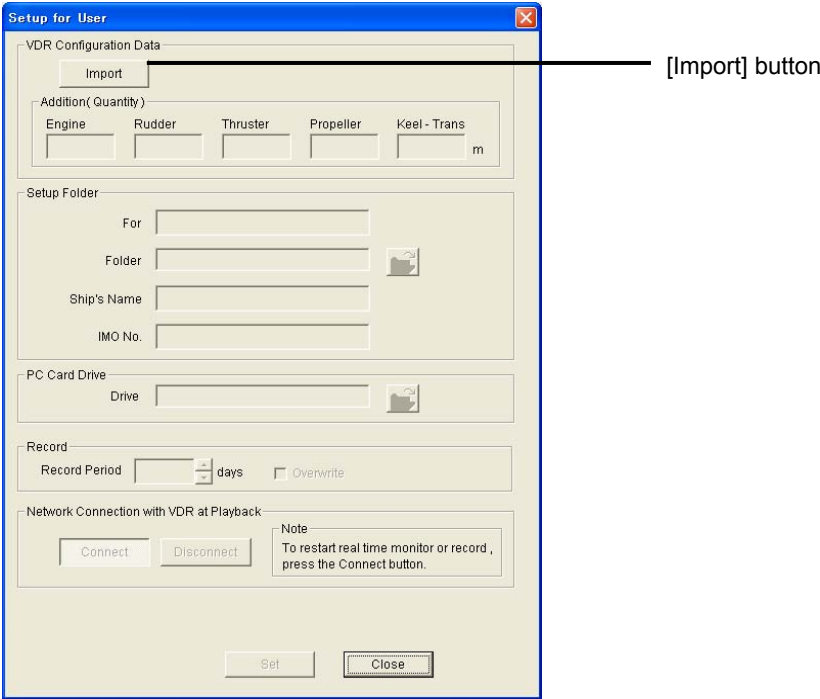


Chapter5 Setup for Playback Software

- (3) The Login screen is indicated, and click [OK] button after confirming that “User” is selected in the Operator block.



- (4) The Setup for User screen is indicated.
Click [Import] button.



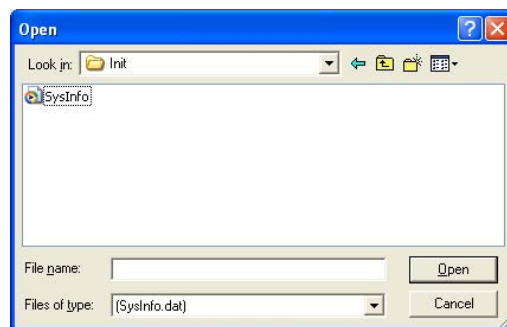
- (5) As “Open” screen displays, select and open SysInfo.dat (VDR composition information) file, that is VDR/S-VDR recorded data downloaded at Section 4.1.

The Sysinfo.dat file is downloaded in the following location.

*\YYYYMMDDhhmmss\Playlist2\VDR_Init\SysInfo.dat

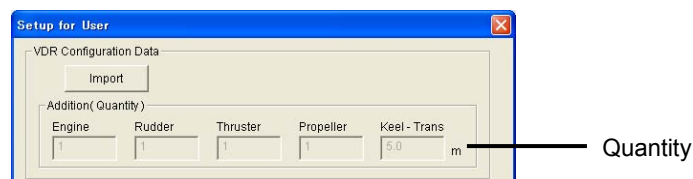
└── Download folder

└── The folder specified at Chapter 4, Section 4.1 (7)



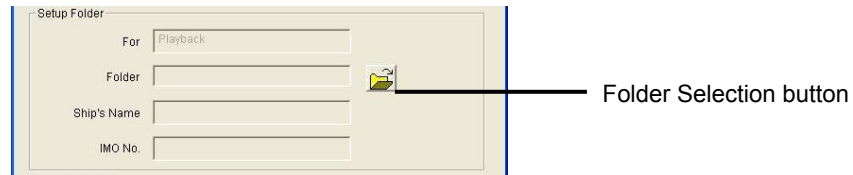
Note	Click [Import] button and import “SysInfo.dat” file. If not, [Set] button is not available and setup is not completed.
------	---

- (6) Quantity of engine, rudder, thruster and propeller and so on is indicated.



Chapter5 Setup for Playback Software

- (7) Click [Folder Selection] button, and select a folder created in accordance with the “Chapter 4 Downloading Recorded Data from VDR/S-VDR”.



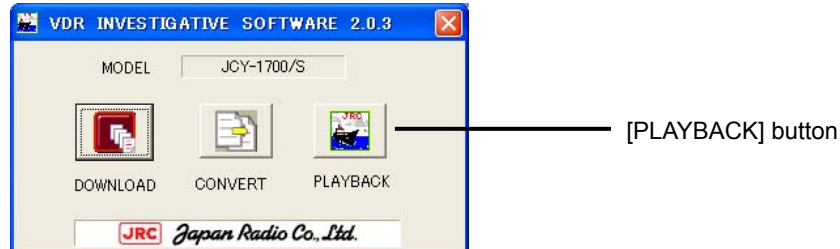
- (8) Click [Set] button, and setup is completed.
To close the Setup software, click [Close] button.



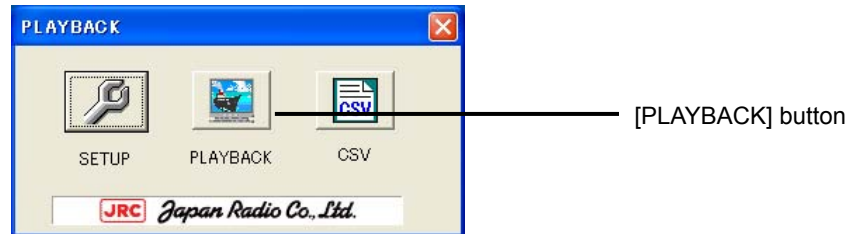
Chapter6 Playback Operation

6.1 How to start up the Playback software

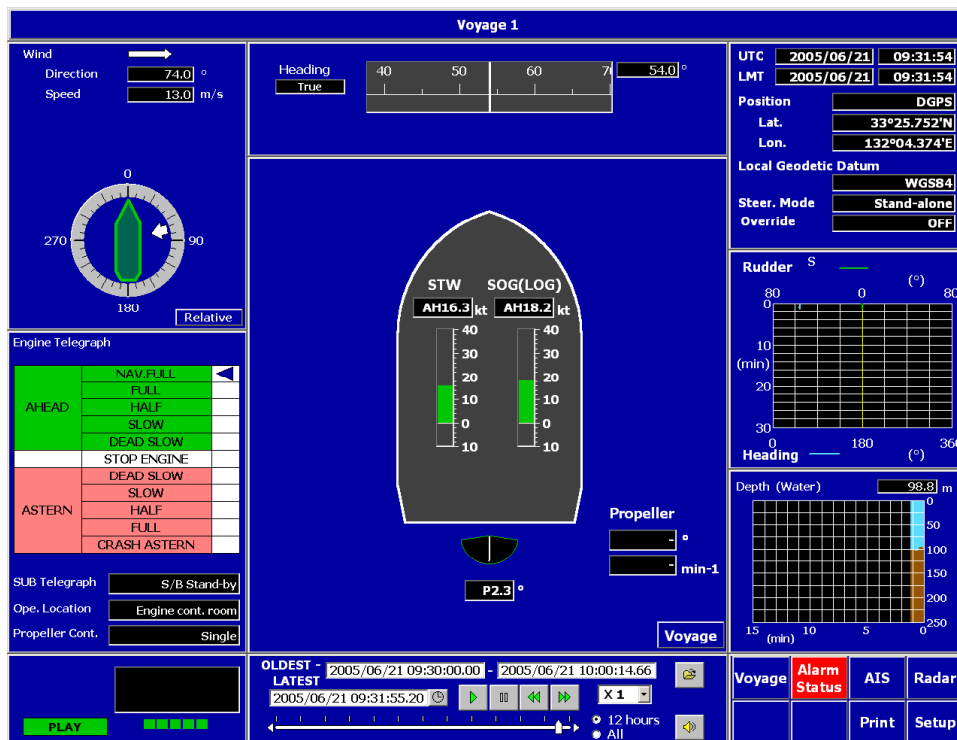
- (1) Click [PLAYBACK] button from “VDR INVESTIGATIVE SOFTWARE” launcher menu.



- (2) Click [PLAYBACK] button from “PLAYBACK” launcher menu.



- (3) Playback screen displays.



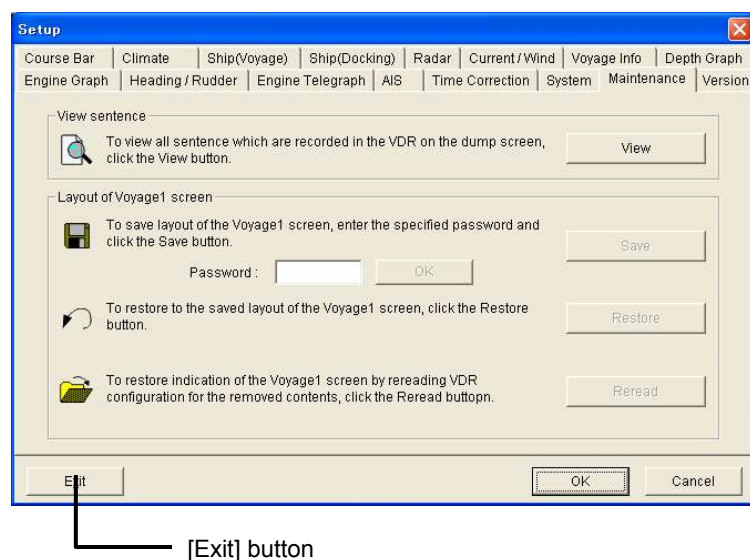
Chapter6 Playback Operation

6.2 How to exit the Playback software

- (1) Click [Setup] button of bottom right in the playback screen and the Setup screen is indicated.



- (2) Click [Exit] button of bottom left in the Setup screen.



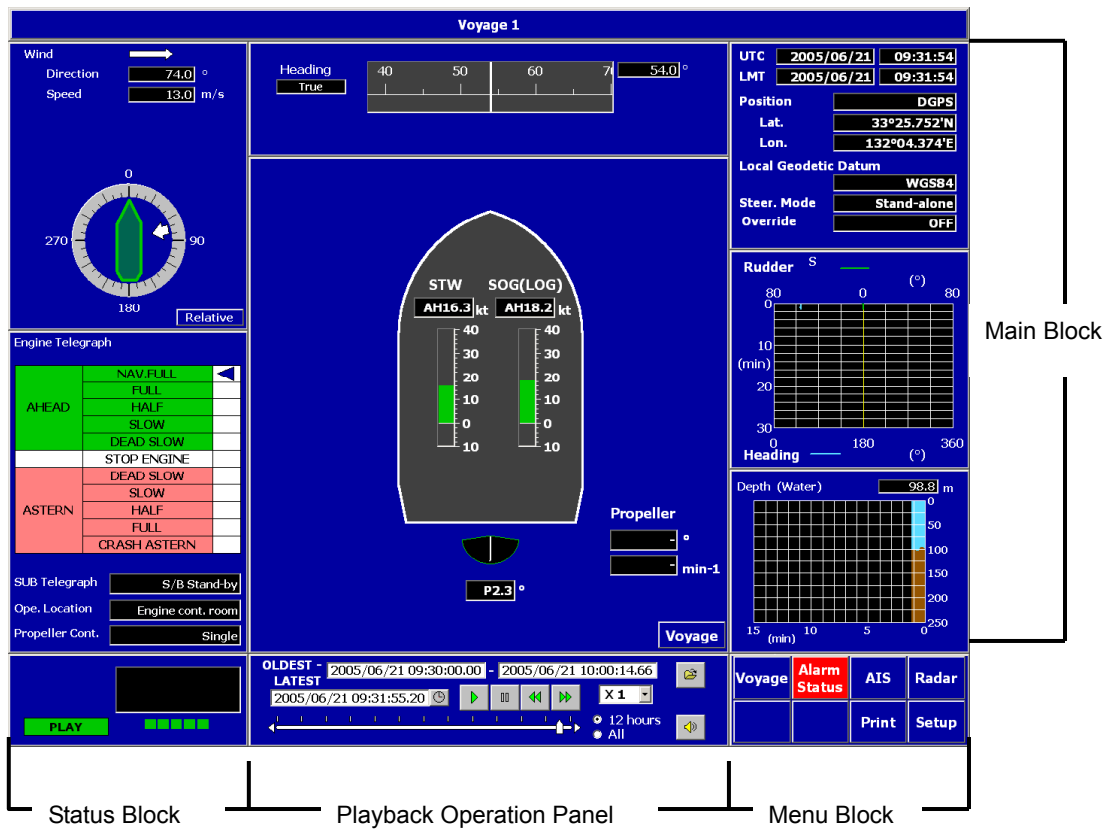
- (3) Click [OK] button in the Confirm window.



- (4) The Playback screen is closed and it returns to the Launcher menu.

6.3 Playback screen

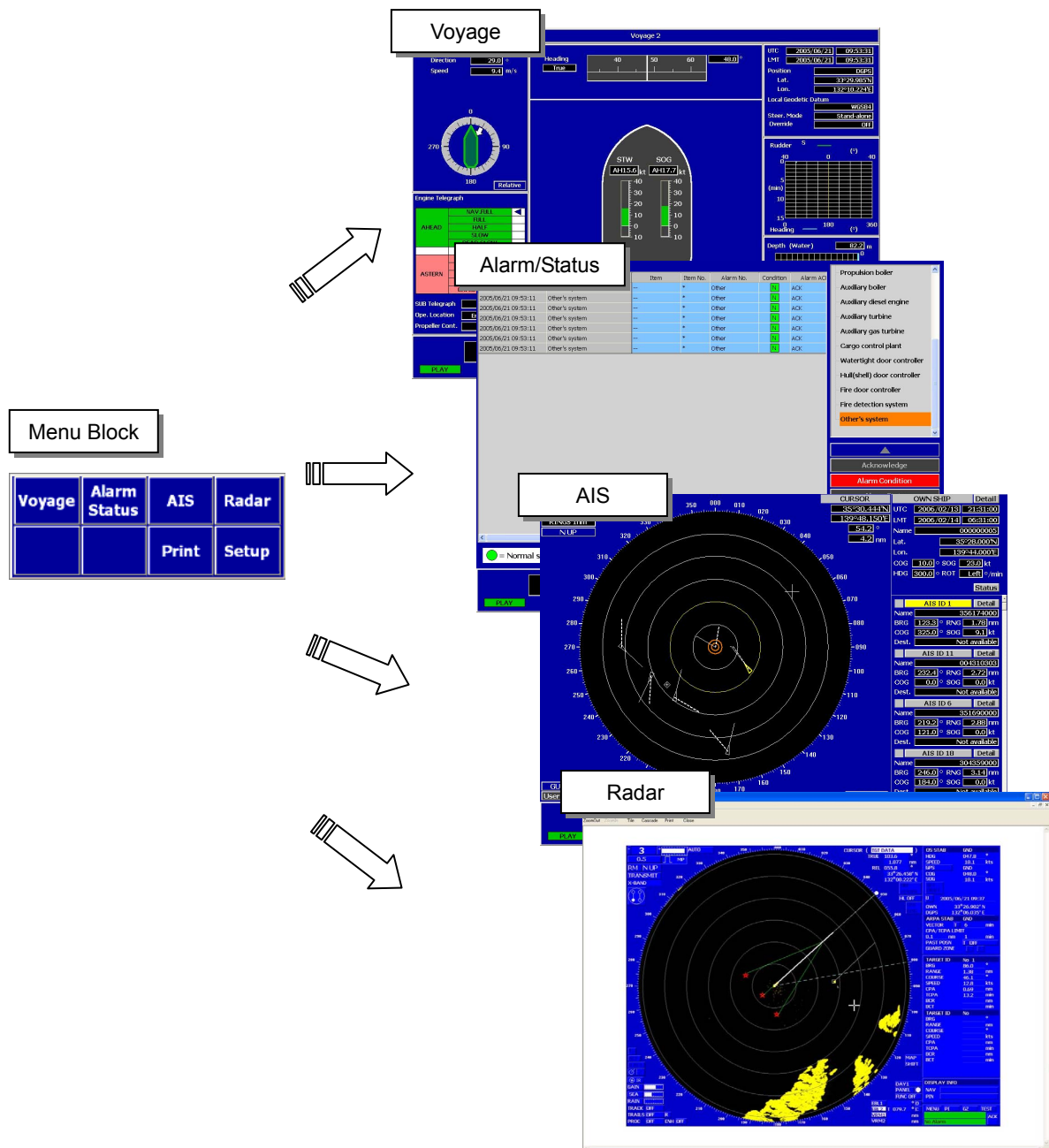
The Playback screen is composed with Main Block, Status Block, Playback Operation Panel and Menu Block.



Chapter6 Playback Operation

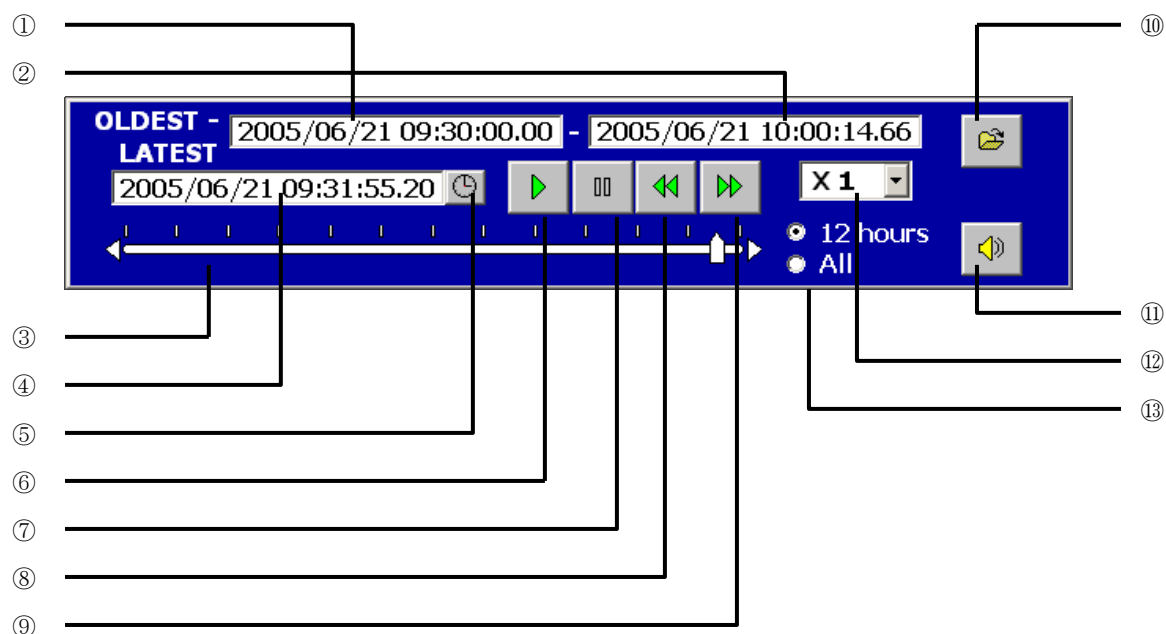
The Playback screen has Voyage screen, Alarm/Status screen, AIS screen and Radar screen on the Main Block, and their screens are selected with buttons of the Menu Block.

AIS screen does not display when AIS is not connected to VDR/S-VDR.



6.4 Playback Operation Panel

Shows the function of buttons and sections.

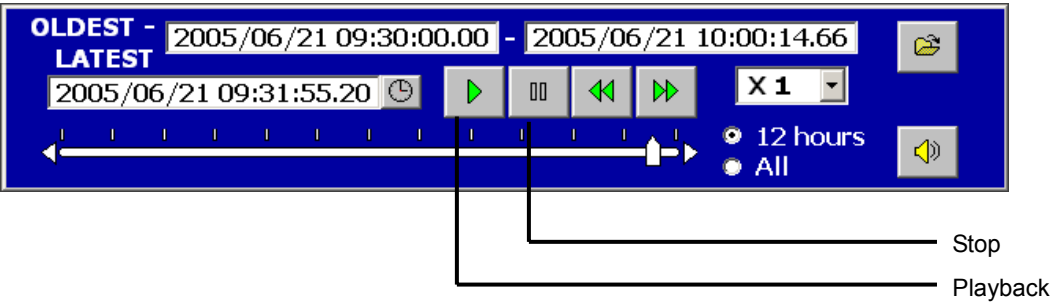


No.	Name	Function
①	OLDEST time	Show the oldest time of the recorded data.
②	LATEST time	Show the latest time of the recorded data.
③	Slide bar	Available to playback from a certain time by sliding the knob.
④	Playback time	Shows a playback time.
⑤	Clock button	Available to select a playback time from the calendar.
⑥	Playback button	Available to start playback.
⑦	Stop button	Available to stop playback.
⑧	Rewind button	Available to reverse a playback time fast.
⑨	Forward button	Available to forward a playback time fast.
⑩	Playlist button	Available to playback after selecting a voyage data registered in the play list.
⑪	Speaker button	Available to select audio source and adjust volume.
⑫	Playback Speed	Available to select a playback speed from "× 1", "× 2" and "× 4". Note) Audio is not outputted at playback of × 2 and × 4.
⑬	Slide bar select button	Available to select time span of slide bar for playback time.

Chapter6 Playback Operation

6.5 To start playback, and to stop

To start playback, click [Playback] button. And to stop playback, click [Stop] button.

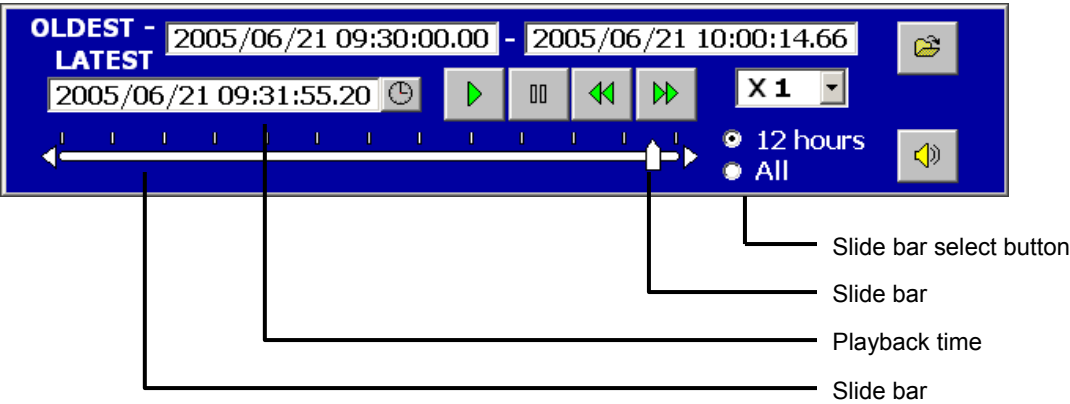


6.6 To set playback time

Explain how to set playback time.

6.6.1 Setting playback time by Slide bar

If knob is slid, a playback time is forwarded or reversed according to the position.

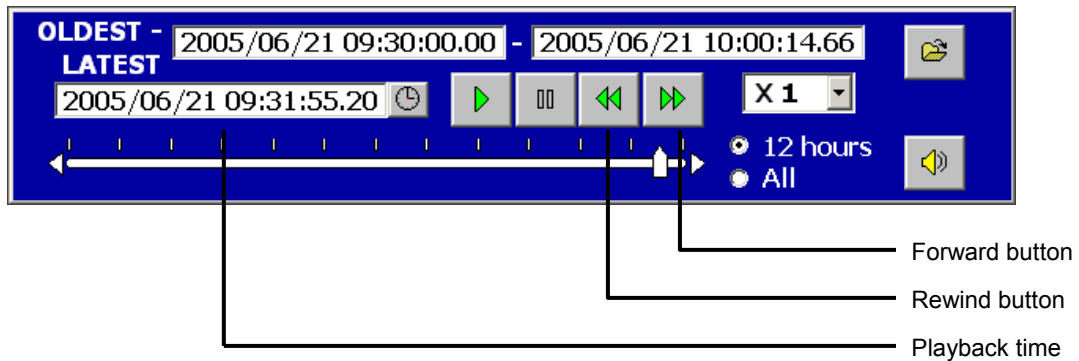


Note	If recorded data for some days is played back, time span becomes long. Playback time span of the Slide bar becomes long, and so it is not easy to adjust playback time. In that case, select the 12 hours in the Slide bar select button. Playback time span becomes 12 hours; moreover, scale in every hour is indicated. So it is easy to adjust playback time.
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6.6.2 Setting playback time by [Forward] button or [Rewind] button

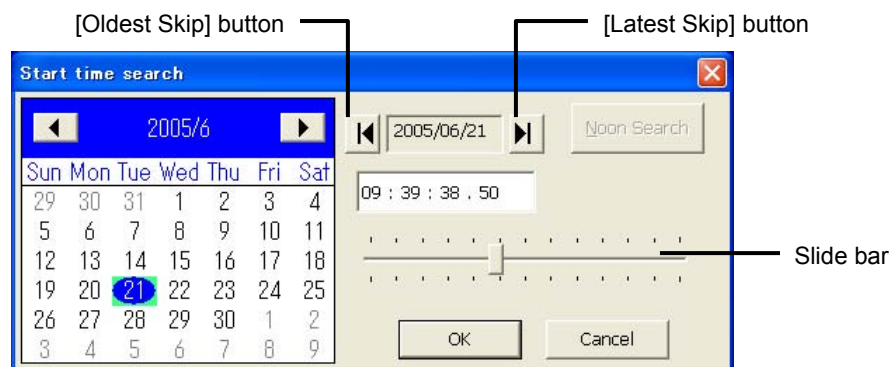
If [Forward] button is pressed, a playback time is forwarded. And the step time is increased by pressing the button continuously.

If [Rewind] button is pressed, a playback time is reversed. And step time is increased by pressing the button continuously.



6.6.3 Setting playback time by [Clock] button

- (1) Select a date you want to play back from calendar.
(A light green part shows that there is recorded data.)
- (2) To select time, slide the knob of the Slide bar.
- (3) Click [OK] button.

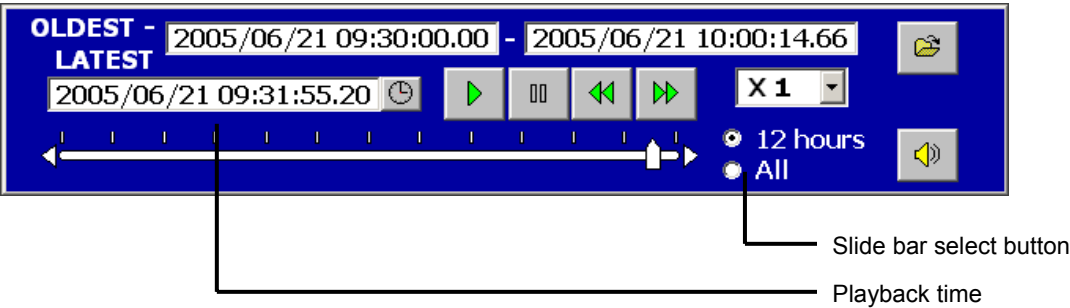


Note

If [Oldest Skip] button is clicked, playback time can be skipped to oldest time.
And if [Latest Skip] button is clicked, playback time can be skipped to latest time.

Chapter6 Playback Operation

(4) Selected date is indicated in the Playback time



(5) Click [Playback] button.

(If playback is in progress, playback is restarted automatically without clicking [Playback] button.)

Note	If 12 hours of slide bar select button is set, time span is 12 hours after selected playback time. So it becomes easy to select playback time with slide bar.
------	--

6.7 To change a playback speed

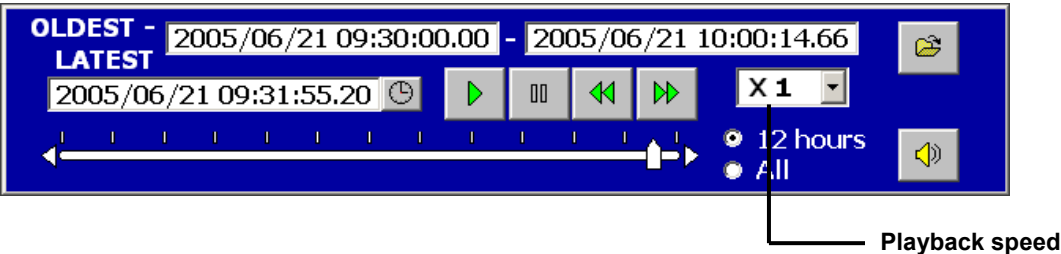
To change a playback speed, select it from the Playback speed.

“× 1” is selected as default, the playback speed is normal.

If “× 2” is selected, the playback speed become 2 times faster than normal.

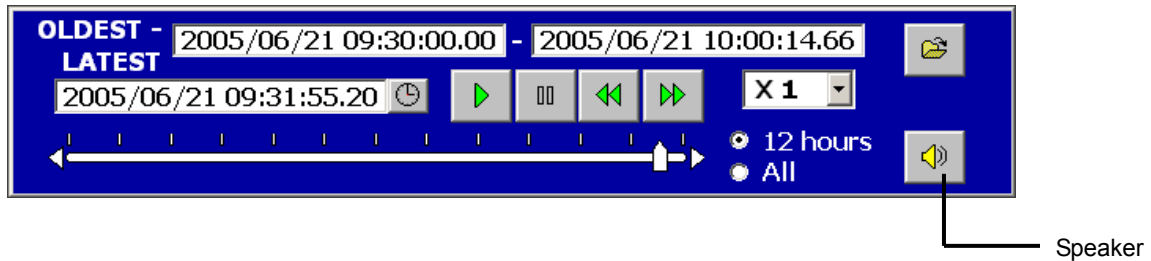
Moreover if “× 4” is selected, the playback speed become 4 times faster than normal.

Audio data cannot be played back at "X2" or "X4" speed.



6.8 To adjust Volume and select audio source

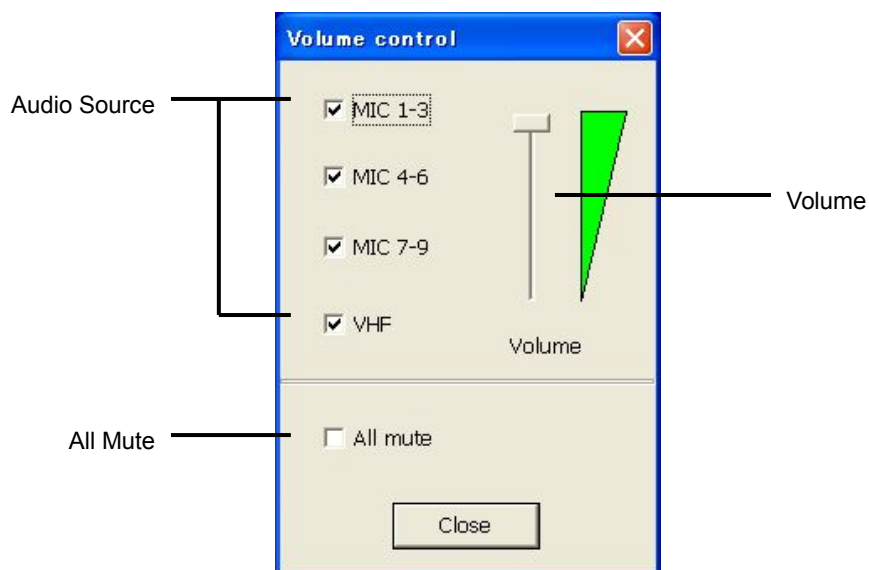
If [Speaker] button is clicked, the Volume control screen appears.



To adjust volume, slide up or down the volume knob.

If exclude an unnecessary audio source, click the source and remove the “✓” mark.

Moreover if the All mute is clicked and enter the “✓” mark, all sources are muted.



Note

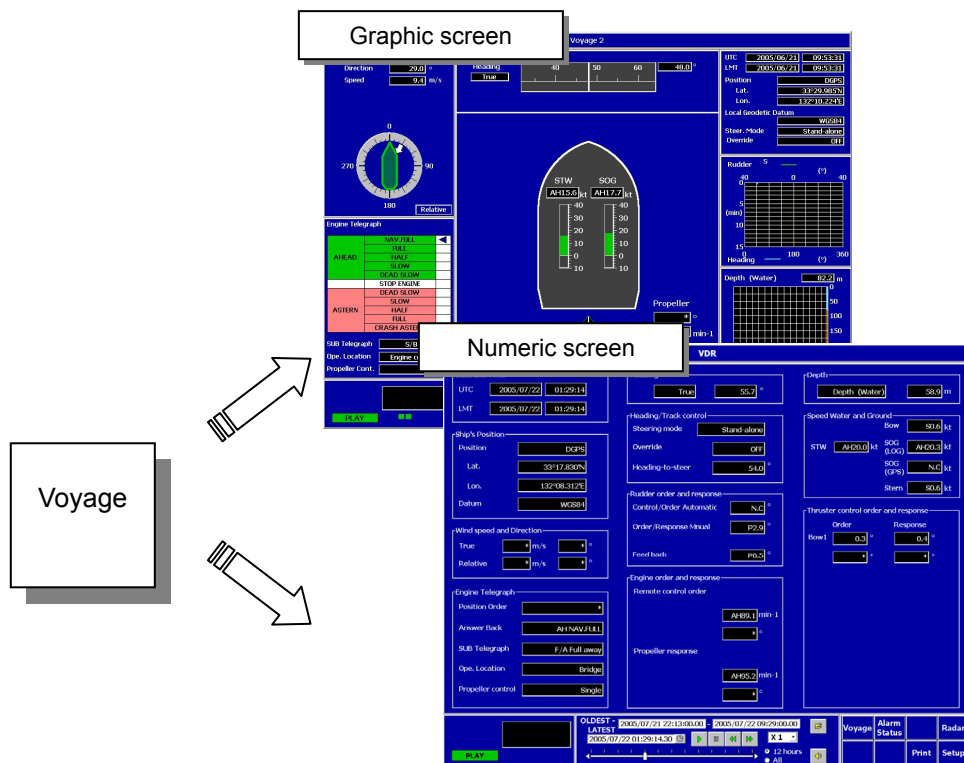
If audio is not outputted in playback, please confirm audio volume level and mute selection in the Sound and Audio Device Properties which is opened from the Control Panel.

Chapter6 Playback Operation

6.9 Voyage screen

There are the Graphic screen and the Numeric screen in the Voyage screen.

To change the screens, click [Voyage] button in the Menu block.



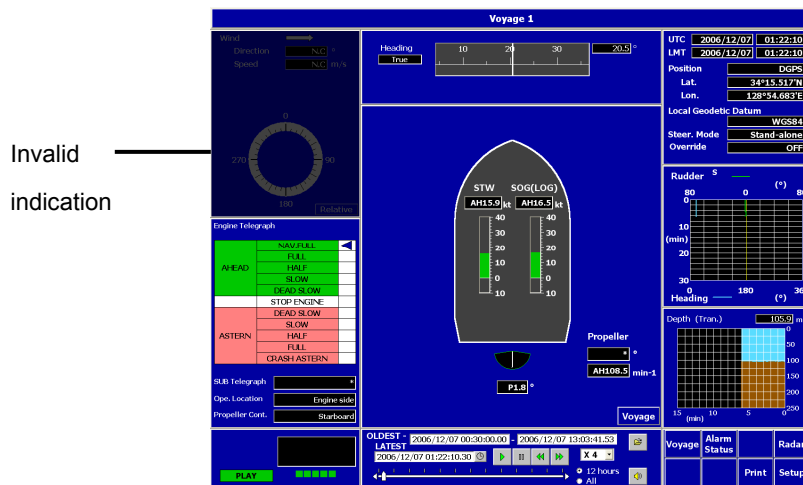
6.9.1 Graphic screen

The following explains Graphic screen.

“*” mark displays when data in numeric indication are not recorded.

“N.C” displays when the input equipment is not connected.

Moreover, it becomes an invalid indication when all the items in the divided block have not been connected.

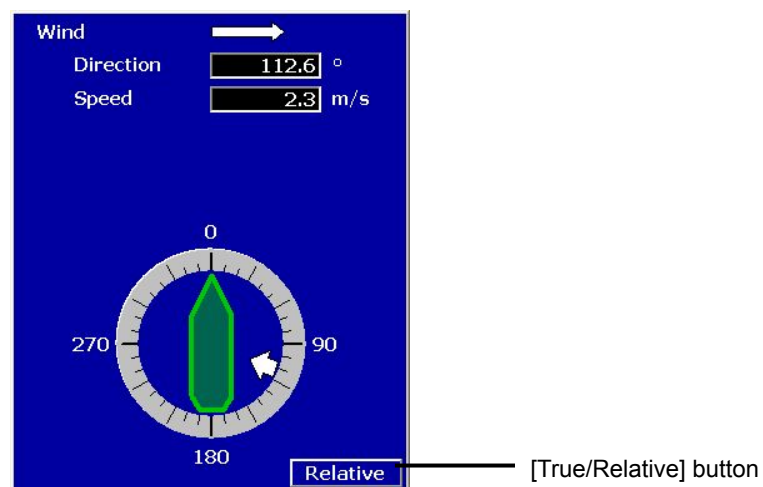


6.9.1.1 Wind block

This block shows wind speed and wind direction by numeric and graphic.

Moreover, if [True/Relative] button is clicked, it changes to true indication (top is the north) or relative indication (top is head of a ship).

Since VDR/S-VDR usually records only data of relative value, only relative value displays.



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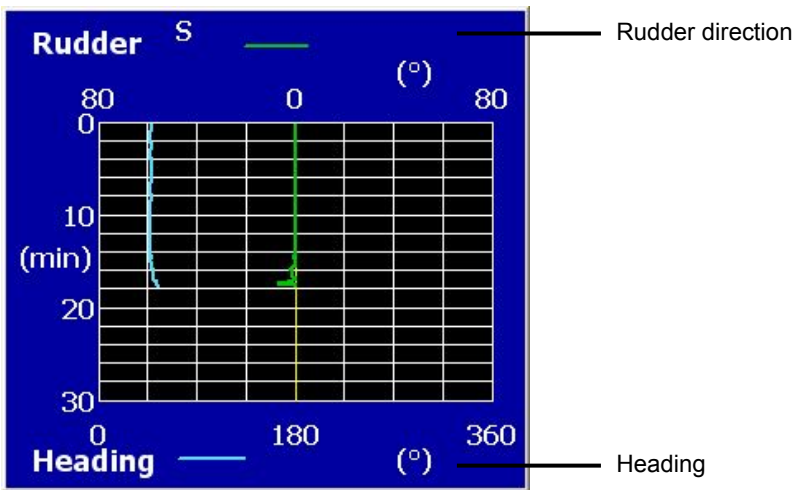
6.9.1.2 Rudder direction and heading block

This block shows heading against rudder direction by graphic.

The following figure is an example in case there is one rudder.

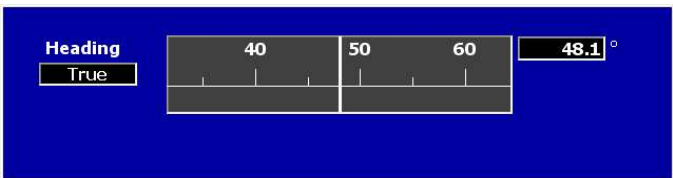
The green line shows rudder.

And the blue line shows heading by Gyro.



6.9.1.3 Heading block

This block shows heading graphically and numerically by Gyro.



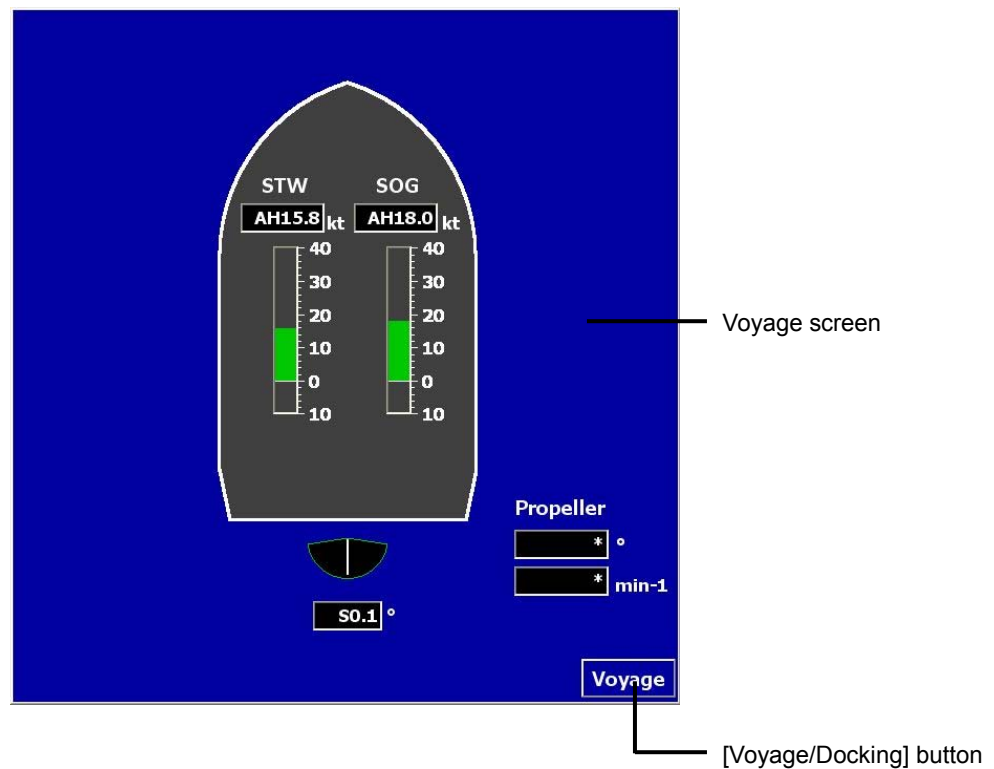
6.9.1.4 Ship block (Voyage screen)

This block shows status of propeller, rudder and speed by numeric and graphic under voyage.

The following figure is an example in case there are 1 propeller and 1 rudder.

If [Voyage/Docking] button is clicked, the Ship block is switched to the Docking screen.

Refer to “6.9.1.5 Ship block (Docking screen)” about the Docking screen.



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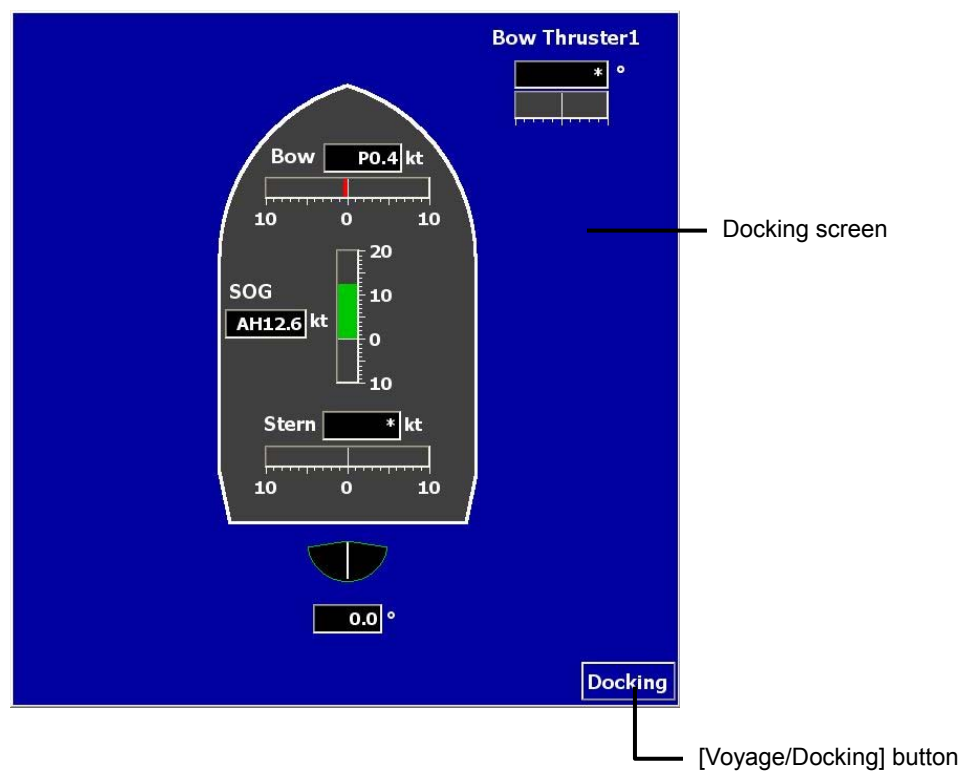
6.9.1.5 Ship block (Docking screen)

This block shows status of propeller, rudder, speed and thruster by numeric and graphic under docking.

The following figure is an example in case there are 1 propeller, 1 rudders and 1 thruster.

If [Voyage/Docking] button is clicked, the Ship block is switched to the Voyage screen.

Refer to “6.9.1.4 Ship block (Voyage screen)” about the Voyage screen.



6.9.1.6 Voyage Info block

This block shows date, time, own ship's position etc. by numeric.

UTC	2005/01/26	00:02:56
LMT	2005/01/26	00:02:56
Position	DGPS	
Lat.	34°52.585'N	
Lon.	128°41.907'E	
Local Geodetic Datum	WGS84	
Steer. Mode	Manual steering	
Override	OFF	

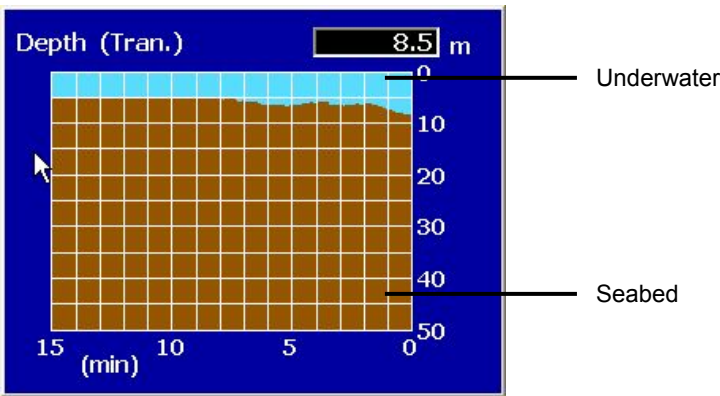
Chapter6 Playback Operation

6.9.1.7 Depth block

This block shows Depth by numeric and graphic.

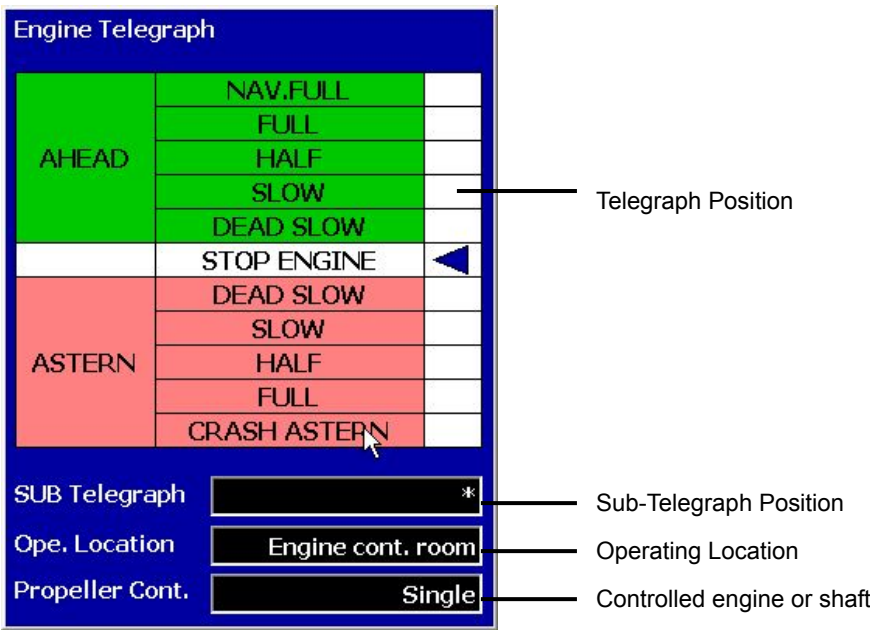
The brown zone is seabed, and the light-blue zone is underwater.

A horizontal axis shows lapsed time and shows the depth of water of the newest at right end.



6.9.1.8 Engine Telegraph block

This block shows engine telegraph status by graphic.



6.9.2 Numeric screen

In numeric screen, all data of graphic screen are showed in numeric.

“*” mark displays if data in numeric indication have not yet received or illegal data are inputted,

“N.C” displays when the input equipment is not connected.

VDR															
Date and Time UTC 2005/07/22 01:29:14 LMT 2005/07/22 01:29:14		Heading True 55.7°		Depth Depth (Water) 58.9 m											
Ship's Position Position DGPS Lat. 33°17.830'N Lon. 132°08.312'E Datum WGS84		Heading/Track control Steering mode Stand-alone Override Off Heading-to-steer 54.0°		Speed Water and Ground Bow 50.6 kt STW AH20.0 kt SOG (LOG) AH20.3 kt SOG (GPS) N.C kt Stern 50.6 kt											
Wind speed and Direction True * m/s *° Relative * m/s *°		Rudder order and response Control/Order Automatic N.C° Order/Response Manual P2.9° Feed back P0.5°		Thruster control order and response <table border="1"> <thead> <tr> <th>Order</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Bow1 0.3°</td> <td>0.4°</td> </tr> <tr> <td>*°</td> <td>*°</td> </tr> </tbody> </table>		Order	Response	Bow1 0.3°	0.4°	*°	*°				
Order	Response														
Bow1 0.3°	0.4°														
*°	*°														
Engine Telegraph Position Order * Answer Back AH NAV.FULL SUB Telegraph F/A Full away Ope. Location Bridge Propeller control Single		Engine order and response Remote control order AH89.1 min-1 *° Propeller response AH95.2 min-1 *°													
PLAY		OLDEST - 2005/07/21 22:13:00.00 - 2005/07/22 09:29:00.00 LATEST 2005/07/22 01:29:14.30 X 1 12 hours All				Voyage Alarm Status Radar Print Setup									

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6.10 Alarm/Status screen

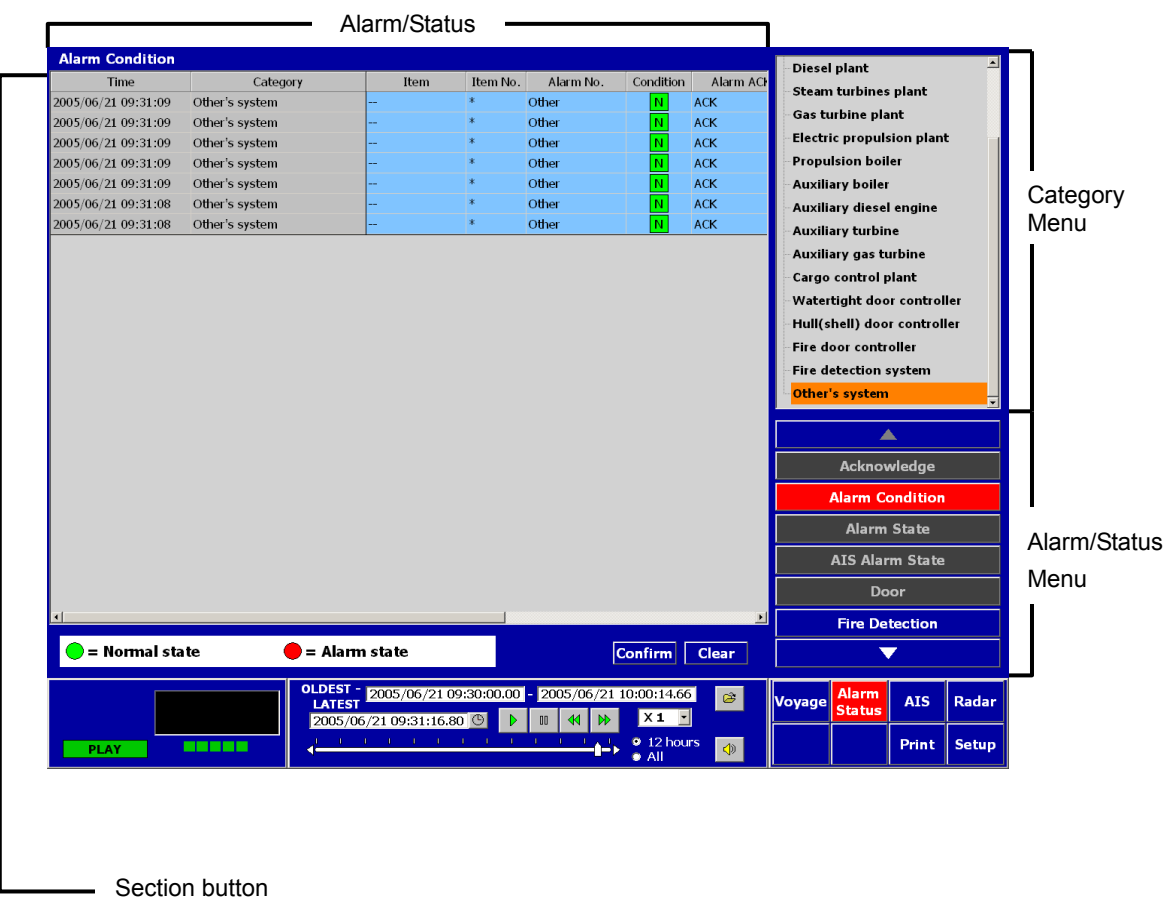
The Alarm/Status screen shows alarm information, status of engine telegraph, door status, water level and fire detection etc.

This screen is composed 3 blocks of Alarm/Status, Category Menu and Alarm/Status Menu.

To show door status e.g., click [Door] button from the Alarm/Status Menu.

Moreover, to show about Steering gear e.g., click the Steering gear from the Category Menu.

And if [Section] button is clicked, the Alarm/Status information is sorted.

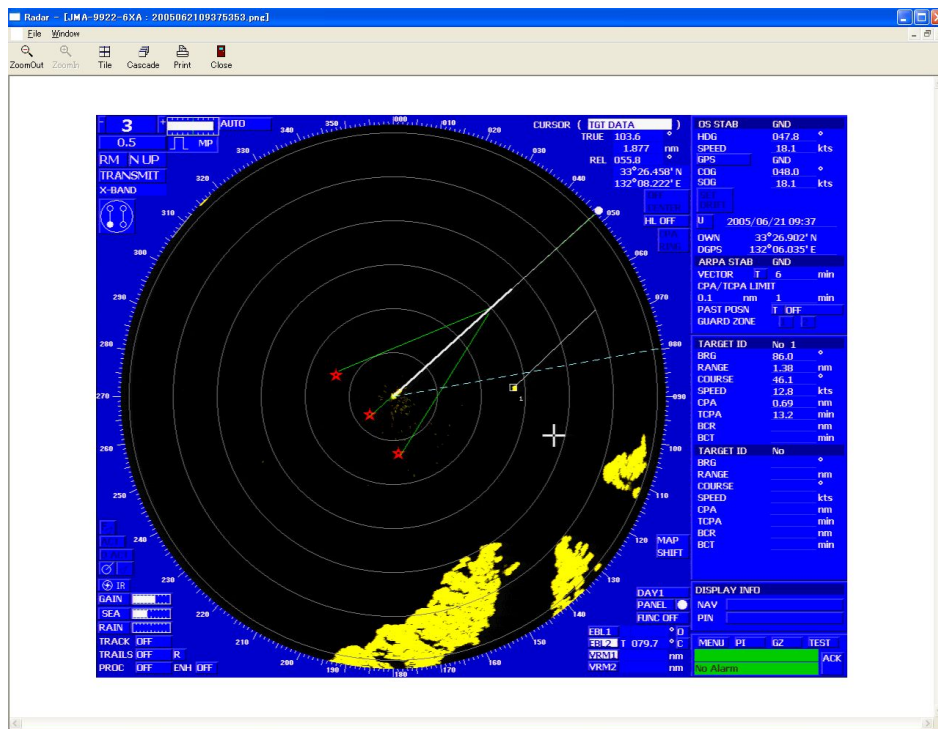


6.11 Radar screen

It is possible to view a Radar image captured every 15 seconds in this screen.

It is prepared so that the icon and the menubar may effectively view the radar screens.

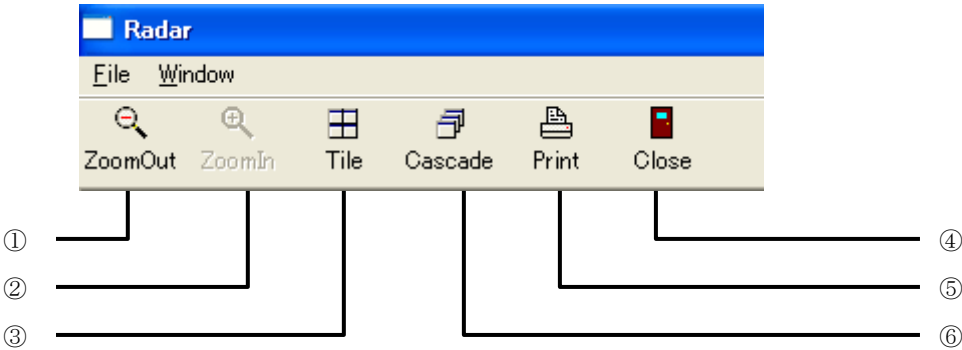
If Radar Interfaces (Option Unit) are added, it is possible to view maximum 4 images.



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6.11.1 Icon

Shows the function of buttons below.

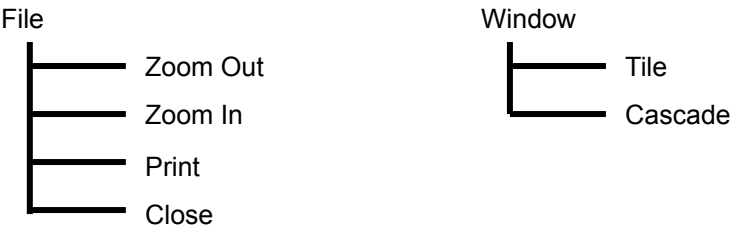


No.	Name	Function
①	Zoom Out	Available to contract a selected radar screen.
②	Zoom In	Available to expand a selected radar screen.
③	Tile	Available to arrange radar screens like tiles.
④	Close	Available to close the radar screen.
⑤	Print	Available to print a selected radar screen.
⑥	Cascade	Available to arrange radar screens in forward and backward.

6.11.2 Menu bar

Shows the composition of the menu bar below.

The functions are same as icons of "6.11.1 Icon".

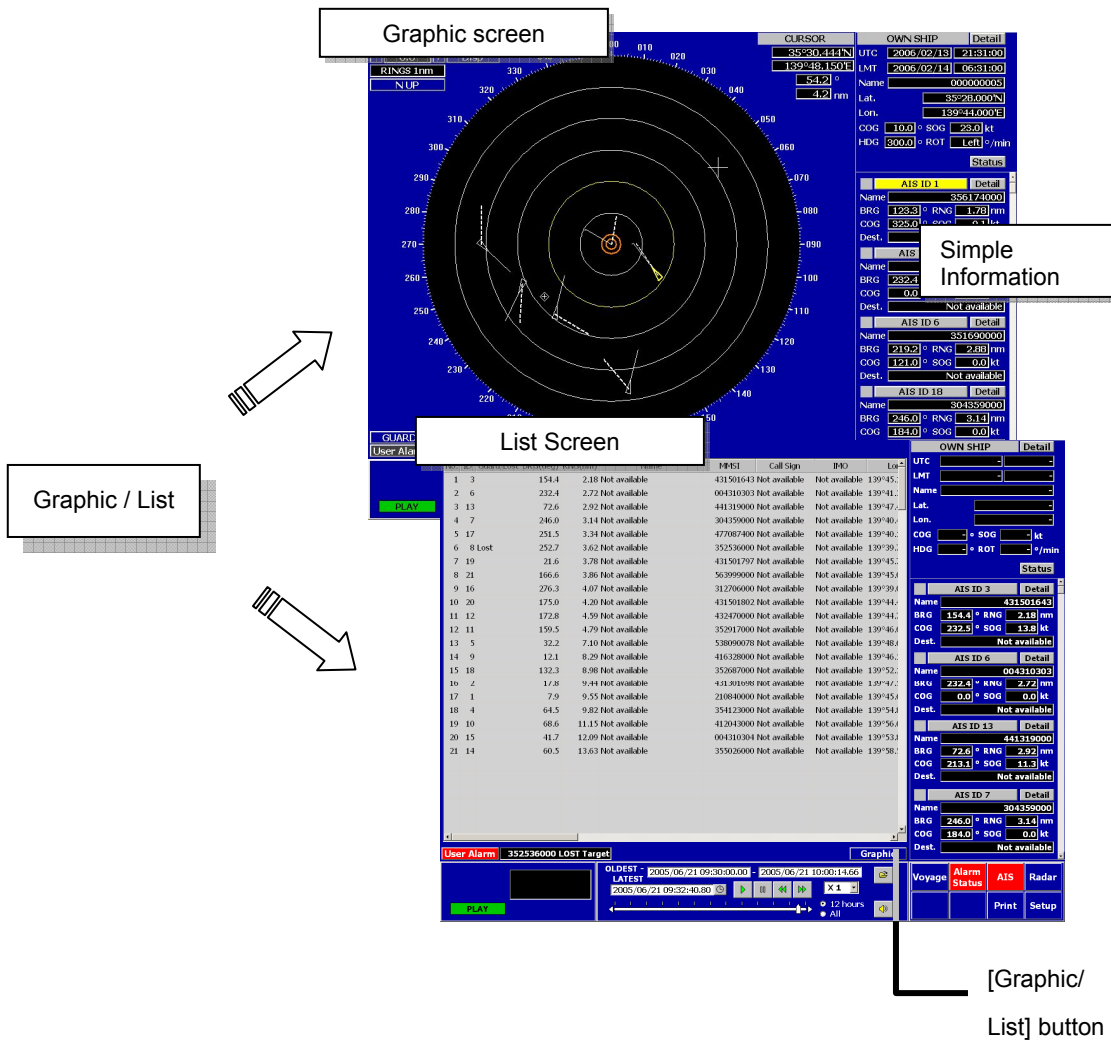


6.12 AIS Screen

There are the Graphic screen and List screen in the AIS screen.

To select the screens, click [Graphic] button or [List] button.

And simple information of own ship and AIS targets is indicated on right side.



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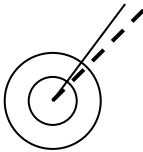
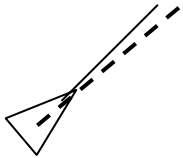
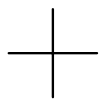
6.12.1 Graphic screen

Centering on own ship, the state of AIS target is indicated on graphics by a symbol.

Screen area is expanded or contracted by Range button. (Radius: from 0.75 to 24 nm)



Explains about symbols in the following table.

Category	Symbol	Explain
Own ship		• Solid line shows heading. • Dashed line shows COG(Course Over Ground).
AIS Target		• Solid line shows heading. • Dashed line shows COG(Course Over Ground).
		If position report of a ship is not received more than a certain time, the symbol is indicated.
AIS Base Station		
Aids-to-navigation		
Mouse cursor		

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6.12.2 List screen

Position report, ship's name, IMO number, call sign and length of hull etc are showed in this screen.

It is indicated on near order from a top from own ship.

The screenshot displays the AIS-List interface. The main window is titled 'AIS-List' and contains a table with the following columns: No., ID, Guard/Lost, BRG(deg), RNG(nm), Name, MMSI, Call Sign, IMO, and Lat. The table lists 21 ships. A red 'User Alarm' banner at the bottom left indicates '352536000 LOST Target'. To the right of the table, there are four detailed panels for selected ships: 'OWN SHIP', 'AIS ID 3', 'AIS ID 6', and 'AIS ID 13'. Each panel shows fields for Name, BRG, RNG, COG, SOG, and Dest. At the bottom, there is a playback control section with a timeline, a 'PLAY' button, and a 'Graphic' button. The timeline shows the period from 2005/06/21 09:30:00.00 to 2005/06/21 10:00:14.66. The playback speed is set to 'X 1'. On the far right, there are buttons for 'Voyage', 'Alarm Status', 'AIS', 'Radar', 'Print', and 'Setup'.

No.	ID	Guard/Lost	BRG(deg)	RNG(nm)	Name	MMSI	Call Sign	IMO	Lat
1	3		154.4	2.18	Not available	431501643	Not available	Not available	139°45.1
2	6		232.4	2.72	Not available	004310303	Not available	Not available	139°41.1
3	13		72.6	2.92	Not available	441319000	Not available	Not available	139°47.1
4	7		246.0	3.14	Not available	304359000	Not available	Not available	139°40.1
5	17		251.5	3.34	Not available	477087400	Not available	Not available	139°40.1
6	8	Lost	252.7	3.62	Not available	352536000	Not available	Not available	139°39.1
7	19		21.6	3.78	Not available	431501797	Not available	Not available	139°45.1
8	21		166.6	3.86	Not available	563999000	Not available	Not available	139°45.1
9	16		276.3	4.07	Not available	312706000	Not available	Not available	139°39.1
10	20		175.0	4.20	Not available	431501802	Not available	Not available	139°44.1
11	12		172.8	4.59	Not available	432470000	Not available	Not available	139°44.1
12	11		159.5	4.79	Not available	352917000	Not available	Not available	139°46.1
13	5		32.2	7.10	Not available	538090078	Not available	Not available	139°48.1
14	9		12.1	8.29	Not available	416328000	Not available	Not available	139°46.1
15	18		132.3	8.98	Not available	352687000	Not available	Not available	139°52.1
16	2		17.8	9.44	Not available	431301698	Not available	Not available	139°47.1
17	1		7.9	9.55	Not available	210840000	Not available	Not available	139°45.1
18	4		64.5	9.82	Not available	354123000	Not available	Not available	139°54.1
19	10		68.6	11.15	Not available	412043000	Not available	Not available	139°56.1
20	15		41.7	12.09	Not available	004310304	Not available	Not available	139°53.1
21	14		60.5	13.63	Not available	355026000	Not available	Not available	139°58.1

6.12.3 Detail Information of own ship

If [Detail] button in the simple information block, the detail screen is indicated.

OWN SHIP	
UTC	2006/02/13 17:09:00
LMT	2006/02/14 02:09:00
Name	Q.
MMSI	000000005
Call Sign	
IMO No.	500000000
Pos.Sensor	Undefined
Pos.Accuracy	Low
Lat.	35°28.000'N
Lon.	139°44.000'E
COG	10.0 °
SOG	35.8 kt
HDG	333.0 °
ROT	Right °/min
Dest.	
Nav.Stat.	reserved for future use
ETA	Not available
Ship Type	Not available
Cargo Type	All ships of this type
Dimension	
Length	N/A m
Beam	N/A m
Draught	N/A m
Close	

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6.12.4 Detail information of AIS target

If [Detail] button in the simple information block, the detail screen is indicated.

The screenshot shows a software window titled "AIS ID 21" with a close button in the top right corner. The window displays detailed information for a specific AIS target. The data is organized into several sections: Identification (Name, MMSI, Call Sign, IMO No.), Positioning (Pos.Sensor, Pos.Accuracy, Lat., Lon.), Movement (BRG, COG, HDG, RNG, SOG, ROT), Destination (Dest., Nav.Stat., ETA), and Physical Characteristics (Ship Type, Cargo Type, Dimension). The AIS Class is also listed at the bottom. A "Close" button is located at the bottom right of the window.

Name	Not available		
MMSI	636090902		
Call Sign	Not available		
IMO No.	Not available		
Pos.Sensor	Undefined		
Pos.Accuracy	High		
Lat.	35°25.805'N		
Lon.	139°43.081'E		
BRG	198.9 °	RNG	2.32 nm
COG	254.3 °	SOG	0.0 kt
HDG	172.0 °	ROT	0.0 °/min
Dest.	Not available		
Nav.Stat.	At anchor		
ETA	Not available		
Ship Type	Not available		
Cargo Type	Not available		
Dimension	Length	N/A m	
	Beam	N/A m	
	Draught	N/A m	
AIS Class	Class A		

Close

6.13 To confirm the record sentences in the NMEA format

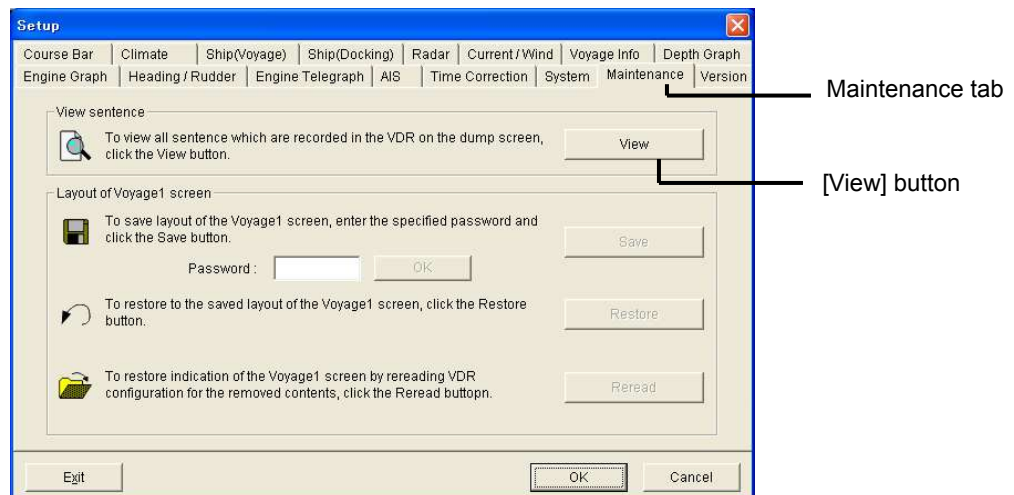
Available to confirm the record sentences in the NMEA format on the Dump screen.

To open the Dump screen, operate as follows.

- (1) Click [Setup] button in the Menu Block.



- (2) Select the Maintenance tab in the setup and click [View] button.



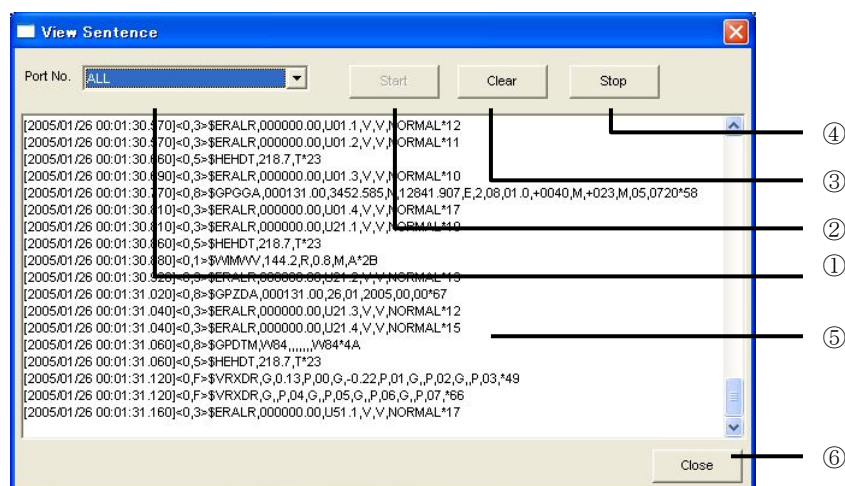
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(3) Select a port No. in the combo box and click

To view the record NMEA sentences, click [Start] button.

To abort view, click [Stop] button.

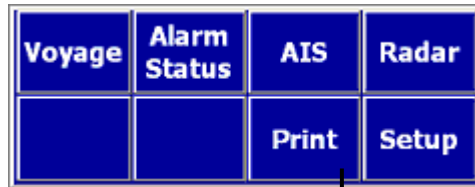
Shows the function of buttons below.



No.	Name	Function
①	Port No.	Available to select a certain channel or all channels.
②	Start	Available to start view.
③	Clear	Available to clear NMEA sentences on the Dump screen.
④	Stop	Available to abort view.
⑤	Dump screen	NMEA sentence is shown on the screen.
⑥	Close	Available to close the Dump screen.

6.14 To print screen

To print screen, click [Print] button in the MENU Block.



[Print] button

Note	To print, it is necessary to install a printer driver in a used PC beforehand.
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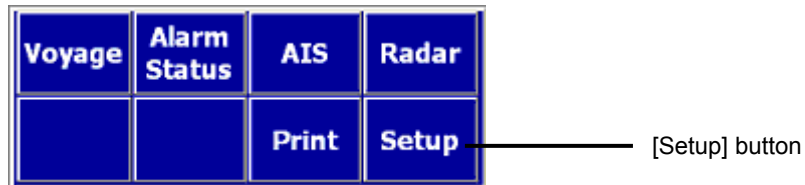
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6.15 To confirm the VDR/S-VDR system information

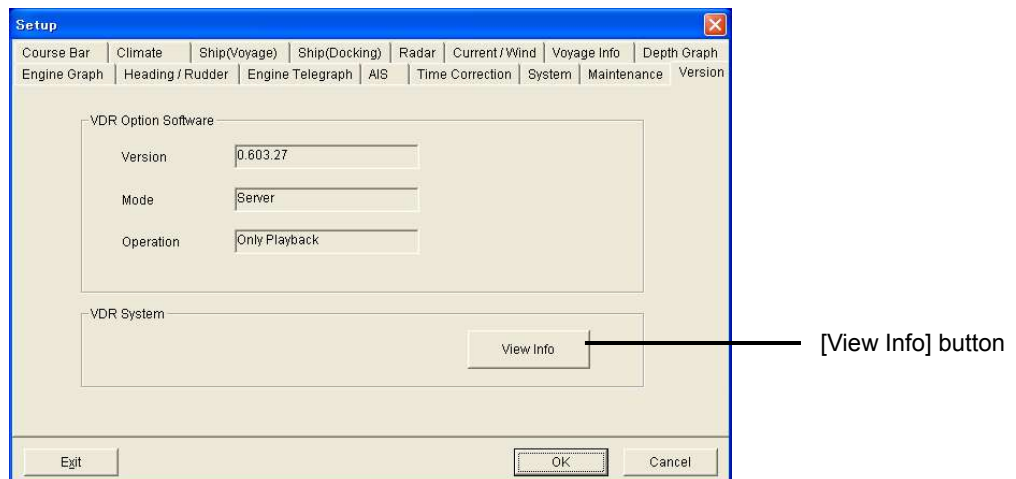
Available to confirm the VDR/S-VDR system configuration that is required in the International Standard on the VDR/S-VDR System Information screen.

To open the VDR/S-VDR System Information screen, operate as follows.

- (1) Click [Setup] button in the Menu Block and select the Version tab.

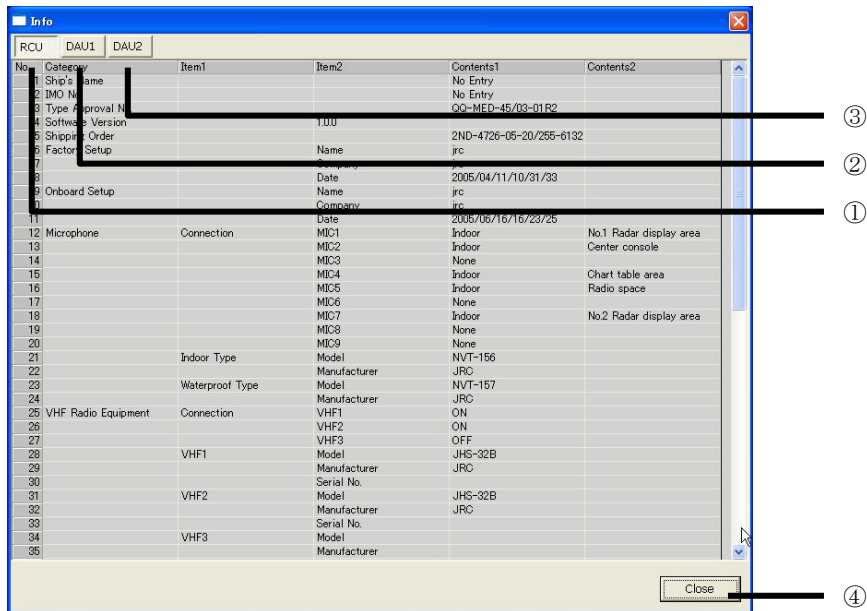


- (2) Click [View Info] button.



(3) The VDR/S-VDR System Information screen is opened.

Shows the function of buttons below.



No.	Name	Function
①	RCU	Available to show the RCU system information on the screen.
②	DAU1	Available to show the DAU1 system information on the screen.
③	DAU2	Available to show the DAU2 system information on the screen.
④	Close	Available to close the screen.

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6.16 How to customize screen layout

It is possible to move, expand and reduce the Voyag1 and Voyage2 screens.

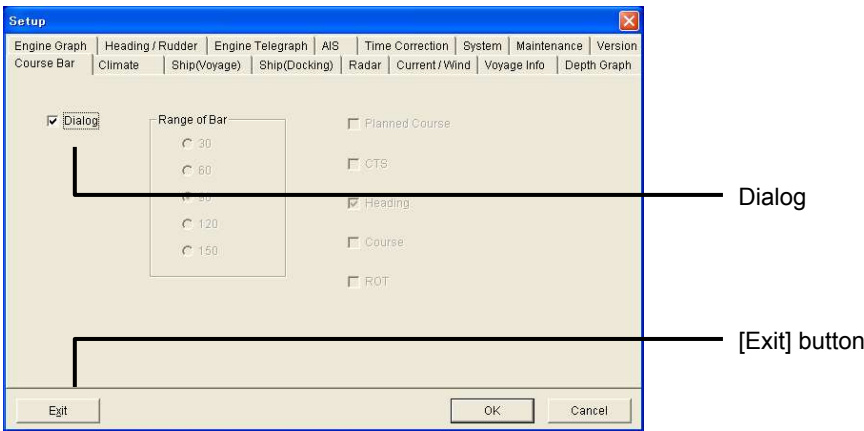
And when [Setup] button is clicked, setting tabs of each block are indicated, and if a check mark of "Dialog" is removed, the corresponding block disappears. Therefore it is possible to indicate necessary blocks only.

When Dialogs are changed on the Voyage1 screen, a layout of the Voyage1 screen is changed.

If the Voyage2 screen is changed, please change Dialogs on the Voyage2 screen.

The screen layouts are saved automatically at exiting the Playback software.

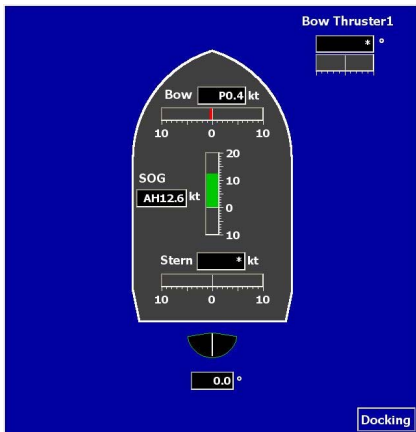
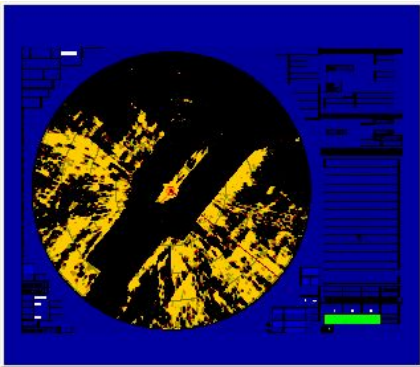
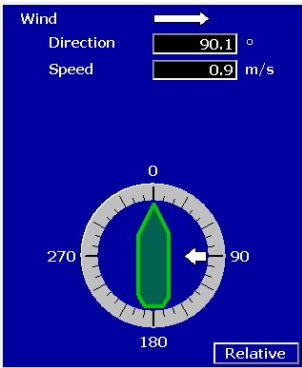
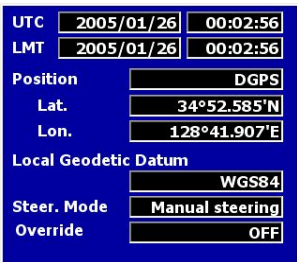
Course Tab e.g.)



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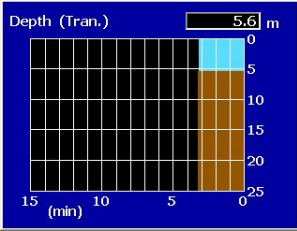
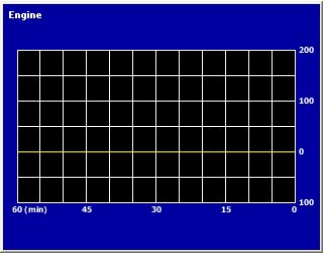
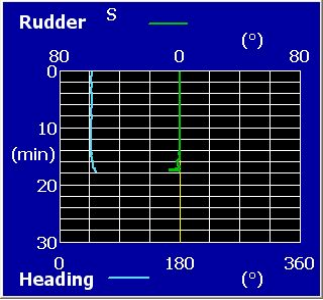
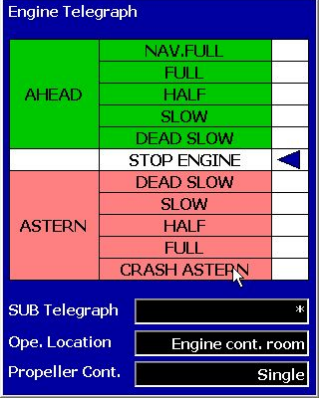
Tab	Corresponding Block	Note
Course Bar		
Climate	—	Not used
Ship (Voyage)		

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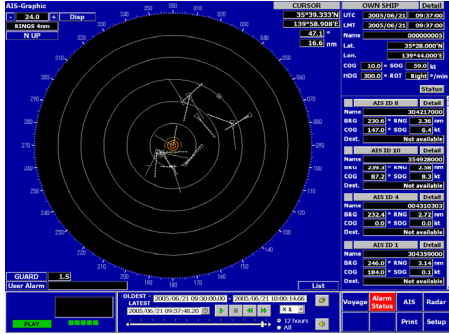
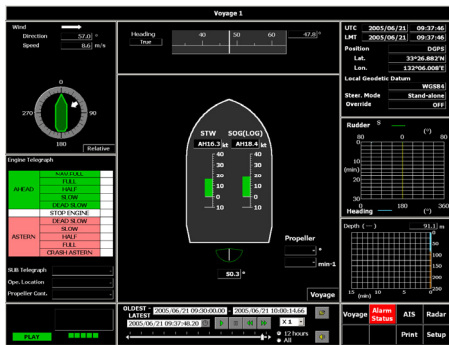
Tab	Corresponding Block	Note																								
Ship (Docking)	 The Ship (Docking) block displays a ship's status during docking. It features a central speedometer-like display with three scales: Bow speed (0-10 kt) showing 0.4 kt, SOG (0-20 kt) showing 12.6 kt, and Stern speed (0-10 kt) showing 0 kt. A heading indicator at the bottom shows 0.0°. A 'Bow Thruster1' status indicator is in the top right, and a 'Docking' button is in the bottom right.																									
Radar	 The Radar block shows a circular radar display with a yellow and black scan pattern. It includes various control buttons and a 'Voyage2' label at the bottom right.	Initially this block is shown on the Voyage2 screen only.																								
Current / Wind	 The Current / Wind block displays wind and current data. It includes a 'Wind' section with 'Direction' (90.1°) and 'Speed' (0.9 m/s). Below is a circular compass-like display showing a green arrow pointing towards 180°. A 'Relative' button is at the bottom right.																									
Voyage Info	 The Voyage Info block displays various voyage parameters in a table-like format: <table border="1"> <tr> <td>UTC</td> <td>2005/01/26</td> <td>00:02:56</td> </tr> <tr> <td>LMT</td> <td>2005/01/26</td> <td>00:02:56</td> </tr> <tr> <td>Position</td> <td colspan="2">DGPS</td> </tr> <tr> <td>Lat.</td> <td colspan="2">34°52.585'N</td> </tr> <tr> <td>Lon.</td> <td colspan="2">128°41.907'E</td> </tr> <tr> <td>Local Geodetic Datum</td> <td colspan="2">WGS84</td> </tr> <tr> <td>Steer. Mode</td> <td colspan="2">Manual steering</td> </tr> <tr> <td>Override</td> <td colspan="2">OFF</td> </tr> </table>	UTC	2005/01/26	00:02:56	LMT	2005/01/26	00:02:56	Position	DGPS		Lat.	34°52.585'N		Lon.	128°41.907'E		Local Geodetic Datum	WGS84		Steer. Mode	Manual steering		Override	OFF		
UTC	2005/01/26	00:02:56																								
LMT	2005/01/26	00:02:56																								
Position	DGPS																									
Lat.	34°52.585'N																									
Lon.	128°41.907'E																									
Local Geodetic Datum	WGS84																									
Steer. Mode	Manual steering																									
Override	OFF																									

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Tab	Corresponding Block	Note
Depth Graph		· It is possible to change a graph range in addition to selection of visible and invisible. · It is possible to select "KEEL" mode or "WATER/TRANS/KEEL" mode.
Engine Graph		· Initially this block is not shown. If needed, change the dialog. · It is possible to change a graph range in addition to selection of visible and invisible.
Heading / Rudder		· It is possible to change a graph range in addition to selection of visible and invisible. · Initially this block is shown on the Voyage1 screen only.
Engine Telegraph		
Time Correction	—	· There is no corresponding block, but shows how to correct time.

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Tab	Corresponding Block	Note
AIS		It is possible to change AIS target number and range in the AIS screen.
System		It is possible to select blue or black for background color.

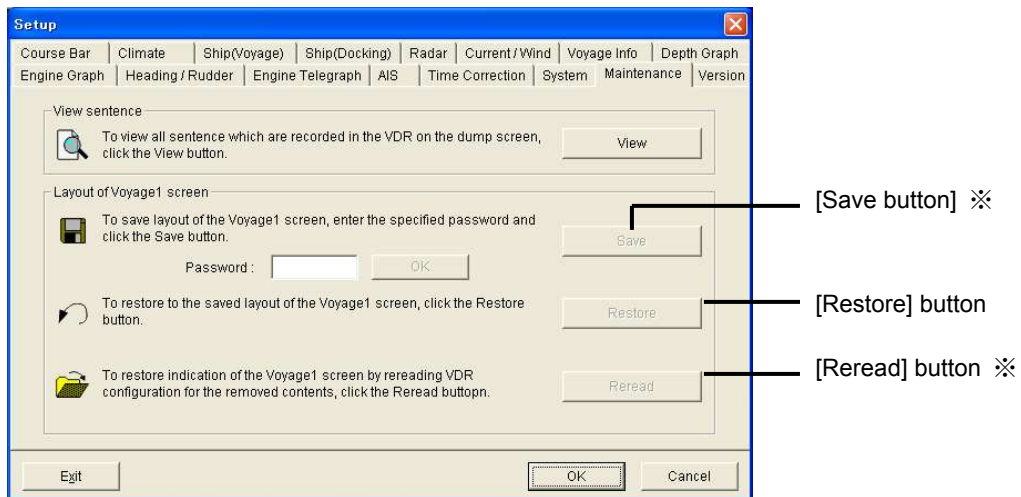
Chapter6 Playback Operation

6.17 How to restore to initial screen layout

It is possible to restore to initial screen layout by [Restore] button in the Maintenance tab.

If the Voyage1 screen is restored, click [Restore] button after opening the Voyage1 screen.

If the Voyage2 screen is restored, click [Restore] button on the Voyage2 screen.



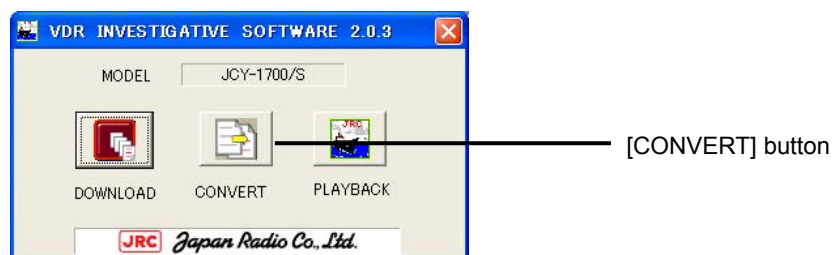
※ [Save] and [Reread] buttons are used by a service person.

Those operations are omitted in this manual.

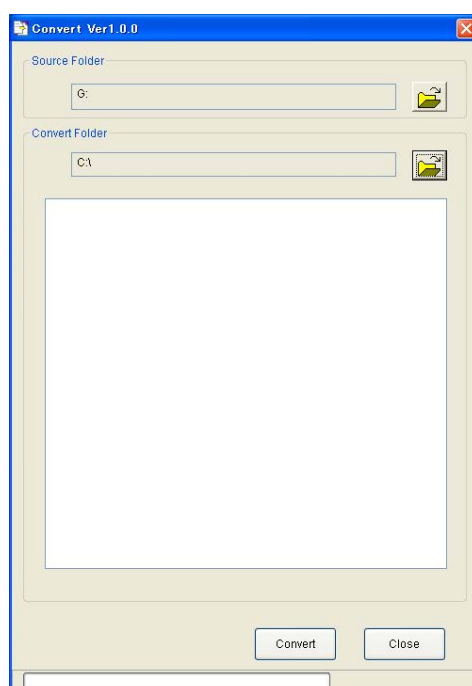
Chapter7 Converting Recorded Data into Industry Standard Formats

7.1 Starting Conversion software

- (1) Click [CONVERT] button, so that conversion software starts up.



- (2) Conversion software screen displays.



- (3) Method for conversion

Refer to Section 7.2, when converting all recorded data.

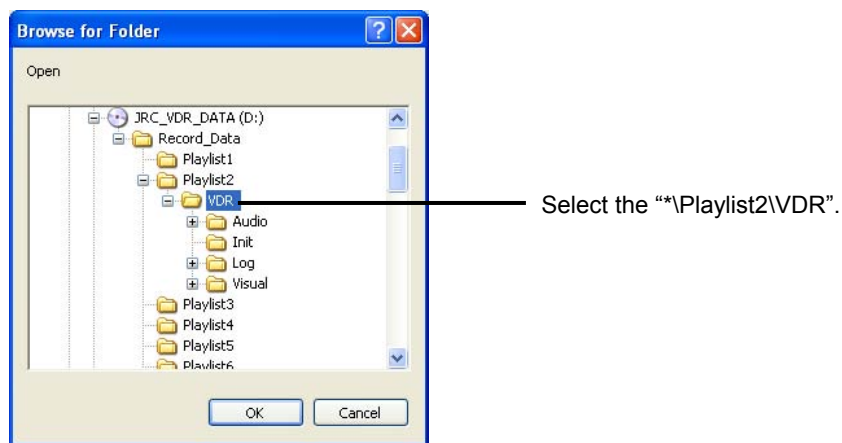
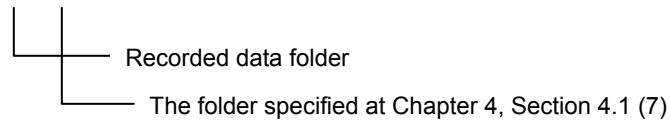
Refer to Section 7.3, when partially converting recorded data.

Chapter7 Converting Recorded Data into Industry Standard Formats

7.2 Convert all recorded data

- (1) Click Folder Selection button in the “Source Folder,” and select “VDR” folder in the folder that recorded data are saved.

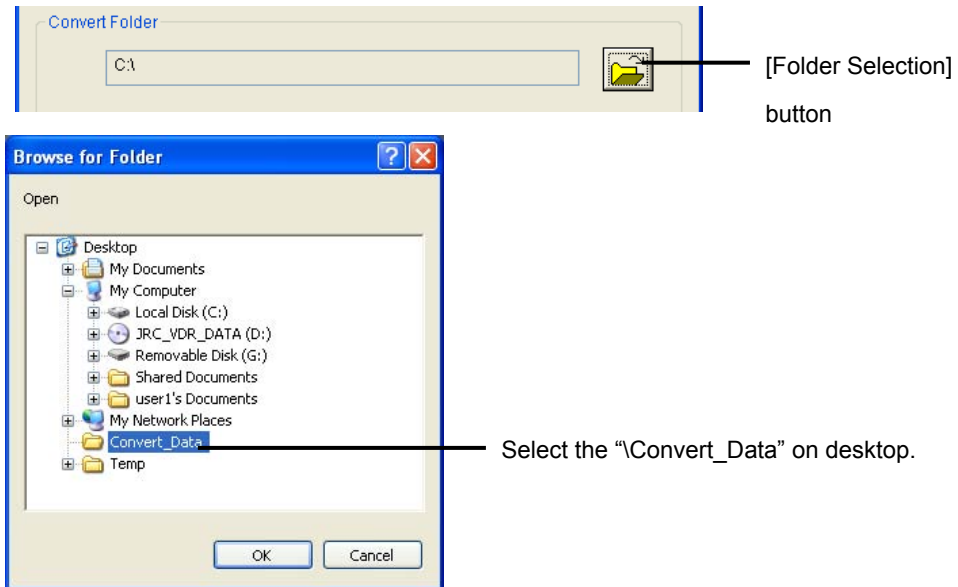
*\YYYYMMDDhhmmss\Playlist2\VDR



- (2) Create any folder for saving converted files on desktop.
Here, "Convert_Data" folder was created as an example.

Chapter7 Converting Recorded Data into Industry Standard Formats

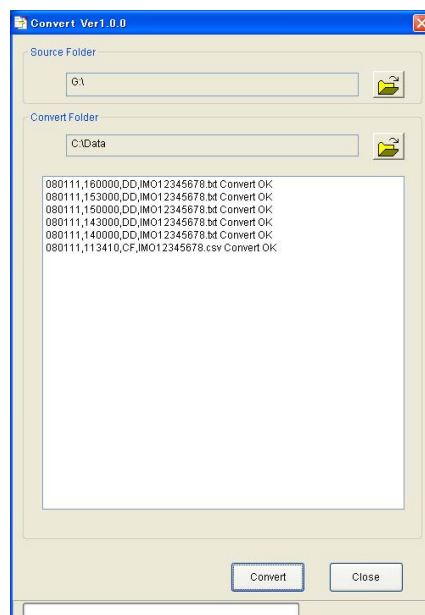
- (3) Click Folder Selection button in “Convert Folder”, and select “Convert_Data” folder as the destination of converted files.



- (4) Click [Convert].

When conversion starts, progress of conversion is indicated in progress bar.

Also, converted files are indicated in list box.



Chapter7 Converting Recorded Data into Industry Standard Formats

- (5) Stop converting

Click [Cancel] button in order to stop converting.



7.3 Convert parts of recorded data

- (1) Click Folder Selection button in “Convert Folder”, and select “Convert_Data” folder as the destination of converted files.



- (2) Drag and drop a part of recorded data into list box.

Recorded data that can be partially converted are single file, two or more files, single folder, or two or more folders.

When a folder is selected, all files in the folder are converted.

* Refer to next page for the example operation.

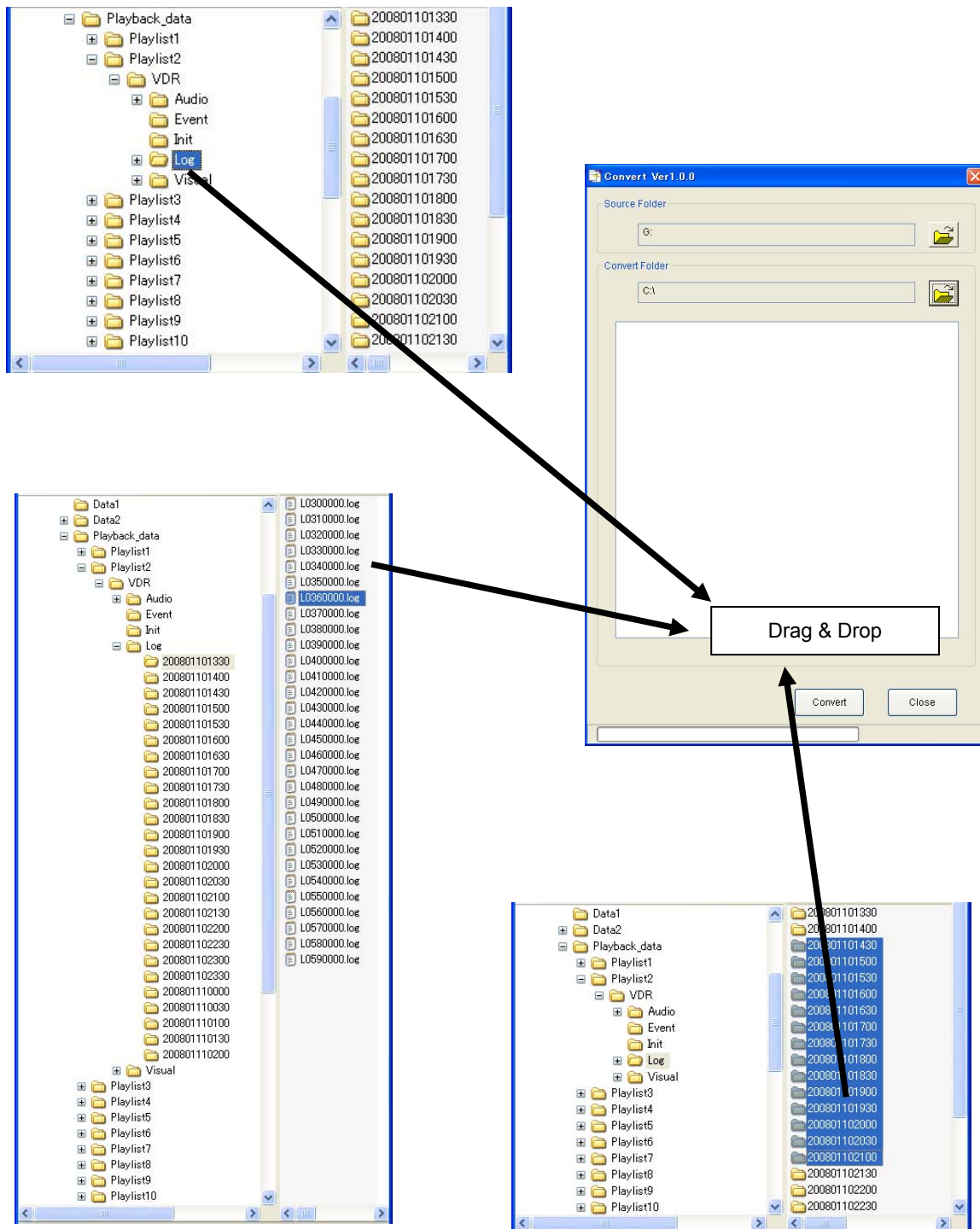
Note	In case of Windows Vista and Windows7, conversion operation by drag and drop is not available.
------	--

- (3) Conversion starts automatically.

When conversion starts, the progress of conversion is indicated in progress bar.

Also, converted files are indicated in list box.

Chapter7 Converting Recorded Data into Industry Standard Formats



Note

In case of Windows Vista and Windows7, conversion operation by drag and drop is not available.

Chapter7 Converting Recorded Data into Industry Standard Formats

7.4 Converted file (Industry Standard Formats files)

The Convert software creates the converted files as follows.

Data	File Name	Note
Digital Sensor Data	YYMMDD,hhmmss, DD ,?????????. txt	
Audio	YYMMDD,hhmmss, M1 ,?????????. wav	Mix MIC-CH1, CH2 and CH3
	YYMMDD,hhmmss, M2 ,?????????. wav	Mix MIC-CH4, CH5 and CH6
	YYMMDD,hhmmss, M3 ,?????????. wav	Mix MIC-CH7, CH8 and CH9
	YYMMDD,hhmmss, V1 ,?????????. wav	Mix VHF-CH1, Ch2 andCH3
Radar Display Video	YYMMDD,hhmmss, R1 ,?????????. png	Main Radar
	YYMMDD,hhmmss, R2 ,?????????. png	Sub Radar

YYMMDD: Date

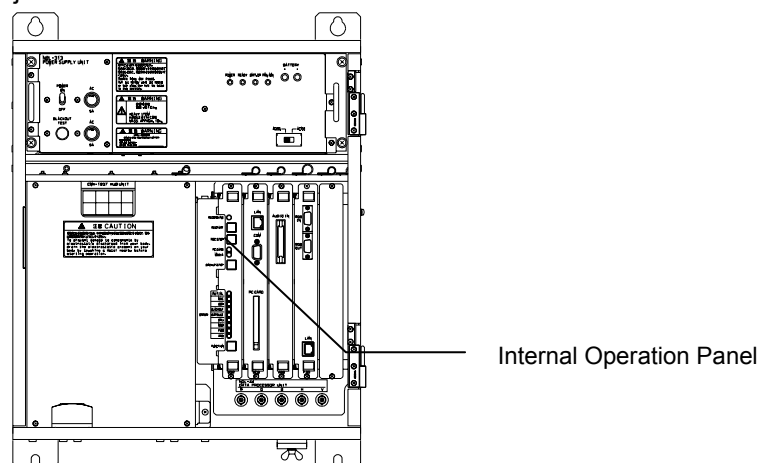
hhmmss: Time (UTC)

?????????: IMO No. ((If IMO number is not entered, automatically converts to "99999999".))

Chapter8 Copying Recorded Data in PC Card

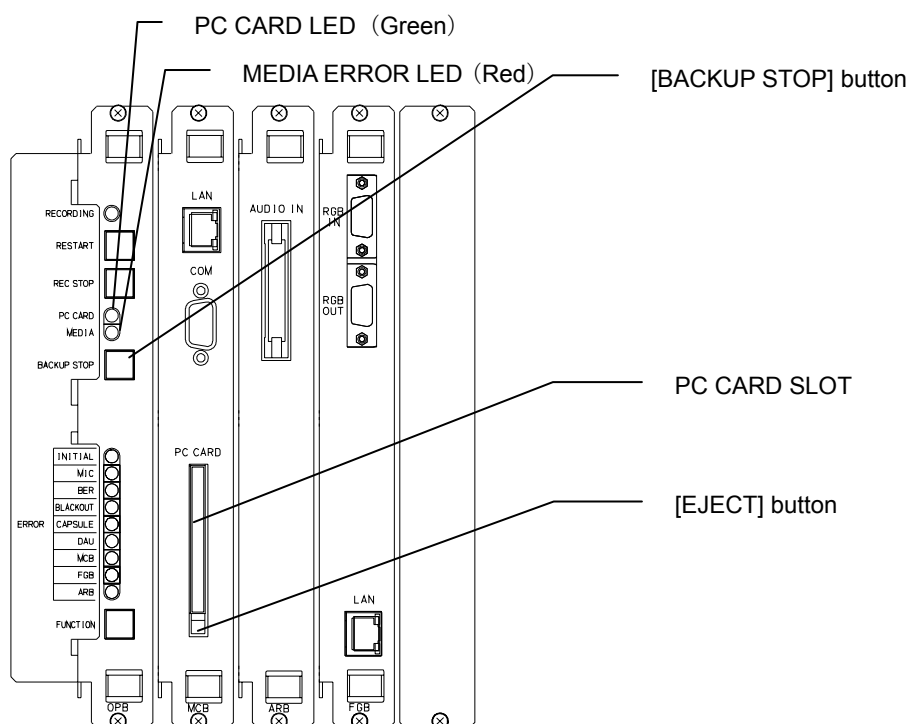
Recorded data in PC card of VDR/S-VDR can be directly copied to PC, and copied data can be played back. Refer to the following procedure, in copying recorded data.

8.1 How to eject PC card from VDR/S-VDR



Operate the Internal Operation Panel as follows.

- (1) Push [BACKUP STOP] button.
- (2) The PC CARD LED blinks for 5sec and goes out. Then ejection of PC card becomes possible.
- (3) Push [EJECT] button, and eject a PC card.



Chapter8 Copying Recorded Data in PC Card

Caution



When data copying is finished, please be sure to insert a PC card to the VDR/S-VDR.

If the PC card is continued to eject more than 10 minutes, "MEDIA ERROR" occurs in the VDR/S-VDR.

Caution



Please press [ACK] button in the VDR/S-VDR to stop the alarm.

The alarm is canceled automatically when the PC card is inserted in the VDR/S-VDR.

8.2 How to play back PC card data in VDR/S-VDR

In order to play back recorded data of PC card, it is necessary to create a playback folder in the computer of use advance, and to copy the data.

Shows the flow from setup to playback below.

- ① Create a playback folder in certain location before Setup. ⇒Refer to 8.2.1
- ↓
- ② Set required information for playback with Setup software. ⇒Refer to 8.2.2
- ↓
- ③ Start the Playback software, and copy a recorded data of PC card. ⇒Refer to 8.2.3

8.2.1 Creating a playback folder

- (1) To create a playback folder, start My Computer.
- (2) Create a folder as follows.

Playback data is copied to the folder made here.

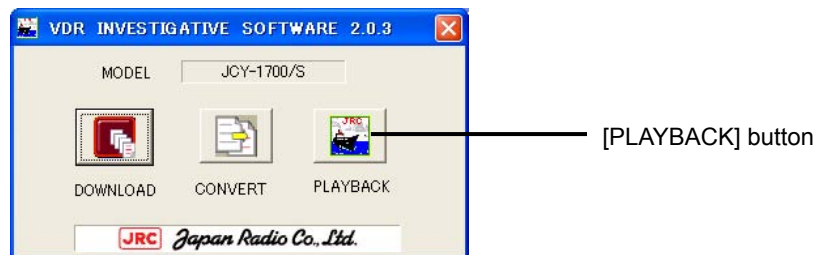
C:\MV_JRC



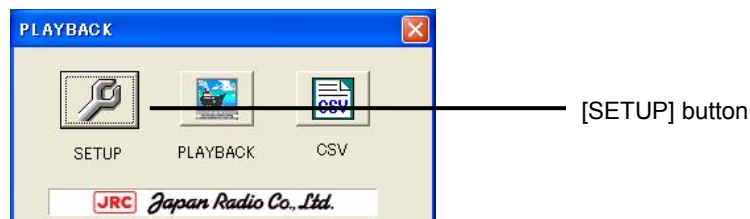
E.g. Ship name

8.2.2 Setting required information for playback with the Setup software

- (1) Click [PLAYBACK] icon from the “VDR INVESTIGATIVE SOFTWARE” launcher menu.



- (2) To start up Setup software, click [SETUP] button from the “PLAYBACK” launcher menu.



Chapter8 Copying Recorded Data in PC Card

- (3) The “Login” screen displays, and click [OK] button after confirming that “User” is selected in “Operator” block.

Log in

Operator

☒ User

☐ Serviceman

Register Information

Name

Company

Password

2005/06/14 17:02:25

OK Cancel

User

- (4) The “Setup for User” screen displays.

Setup for User

VDR Configuration Data

Import

Addition(Quantity)

Engine Rudder Thruster Propeller Keel - Trans m

Setup Folder

For

Folder

Ship's Name

IMO No.

PC Card Drive

Drive

Record

Record Period days ☐ Overwrite

Network Connection with VDR at Playback

Connect Disconnect

Note
To restart real time monitor or record ,
press the Connect button.

Set Close

- (5) Eject a PC card from VDR/S-VDR, and insert it into PC card slot on your PC.

Click [Import] button and select the following file in the PC card in order to import VDR configuration information (SysInfo.dat). PC card drive differs depending on your PC.



*: \Init\SysInfo.dat

PC card drive

Caution

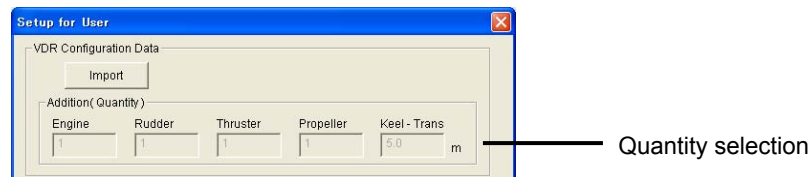


When a PC card is ejected from the VDR/S-VDR, be sure to follow the operation of "8.1 How to eject PC card from VDR/S-VDR".
The PC card may be damaged and record may not be available.

Note

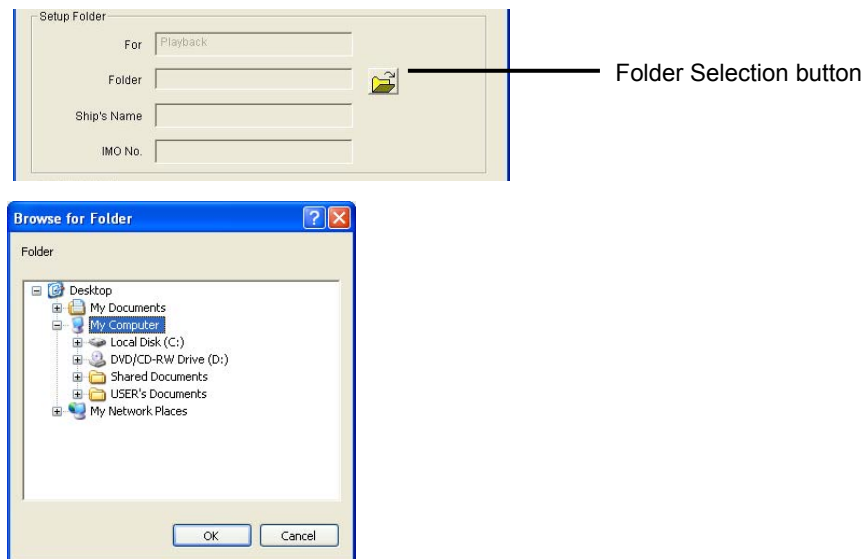
If the [Import] button is clicked and a SysInfo.dat file is not imported, the [Set] button does not become valid.

- (6) Check quantity of engine, rudder, thruster and propeller and others which were imported by VDR/S-VDR configuration data, which were registered when VDR/S-VDR was installed.



Chapter8 Copying Recorded Data in PC Card

- (7) Click Folder Selection button, and select the folder created at Section 8.2.1



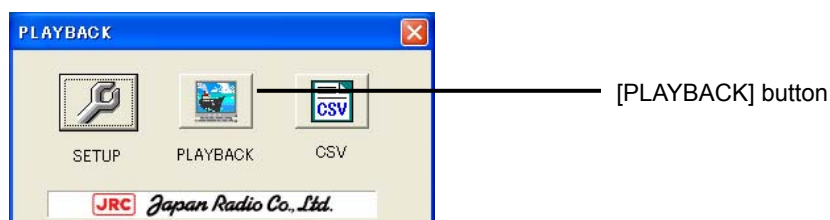
- (8) Click [Set] button, and setup is completed.

To close the Setup software, click [Close] button.

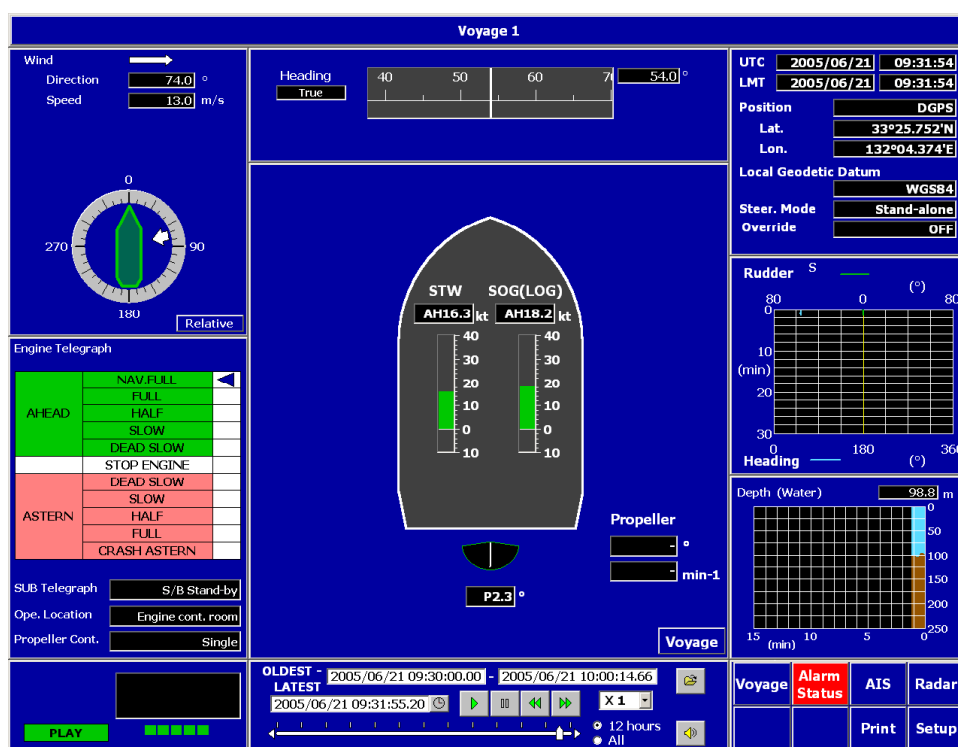


8.2.3 Copy a recorded data of PC card

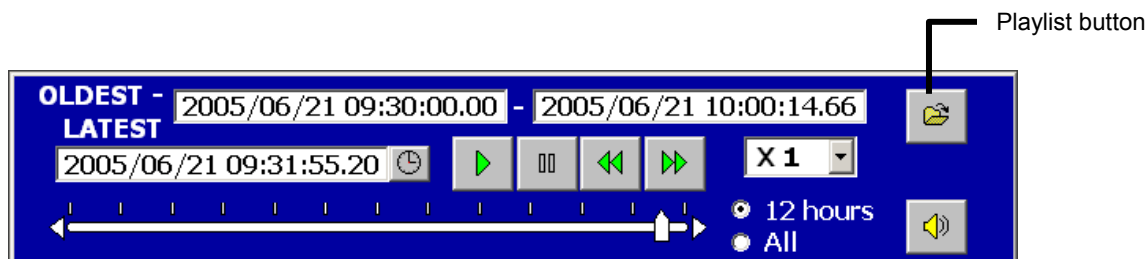
- (1) Click [PLAYBACK] button from “PLAYBACK” launcher menu in order to start Playback software.



- (2) Playback screen displays.

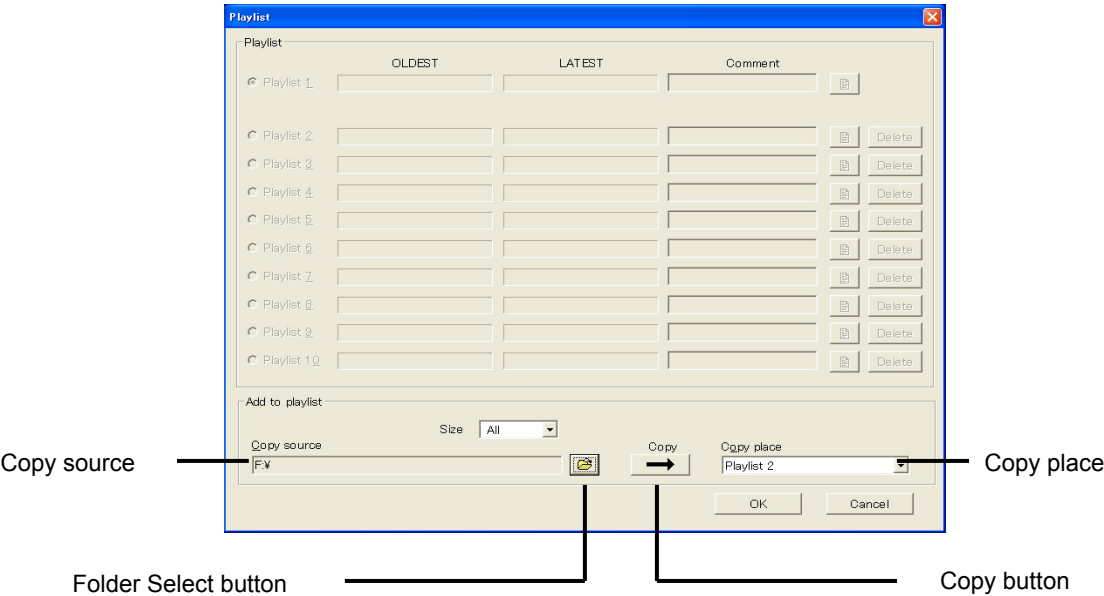


- (3) Click [Playlist] button on the Playback Operation Panel.



Chapter8 Copying Recorded Data in PC Card

- (4) Confirm the PC card drive is set in the Copy source.
If the drive is not set, please click [Folder Select] button and select the drive.
- (5) Select a playlist in the Copy place, and click [Copy] button.



Note	Since the comment dialog appears, and enter some comments if required. The entered comments are indicated in the Comment field. Click [OK] button, and then the copy starts. It takes time to copy all data (In case of selecting the "All") for 15 minutes. The 'Copy start' dialog box has a title bar with a close button. It contains a text input field labeled 'Input comment', a message 'A copy is started.', and 'OK' and 'Cancel' buttons.
------	--

Caution

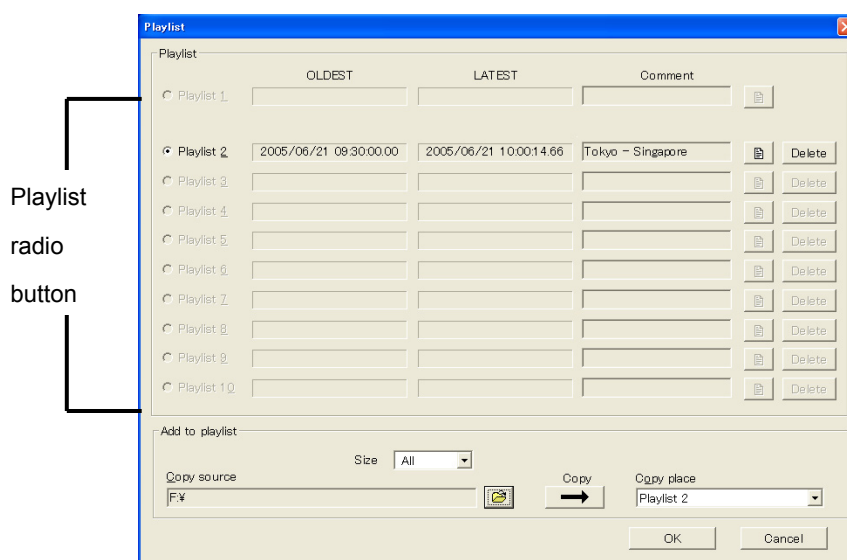


If the PC card is continued to eject more than 10 minutes, "MEDIA ERROR" occurs in the VDR/S-VDR.

Please press [ACK] button in the VDR/S-VDR to stop the alarm.

The alarm is canceled automatically when the PC card is inserted in the VDR/S-VDR.

- (6) Select radio button of the playlist copied PC card data, and click [OK] button.



- (7) The setup is completion above, and it is possible to play back with [Playback] button.

Caution



When data copying is finished, please be sure to insert a PC card to the VDR/S-VDR.

If the PC card is continued to eject more than 10 minutes, "MEDIA ERROR" occurs in the VDR/S-VDR.

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Chapter9 Trouble Shooting

If the Playback software may be not normal or occur a error, please confirm the contents of this chapter before contact us

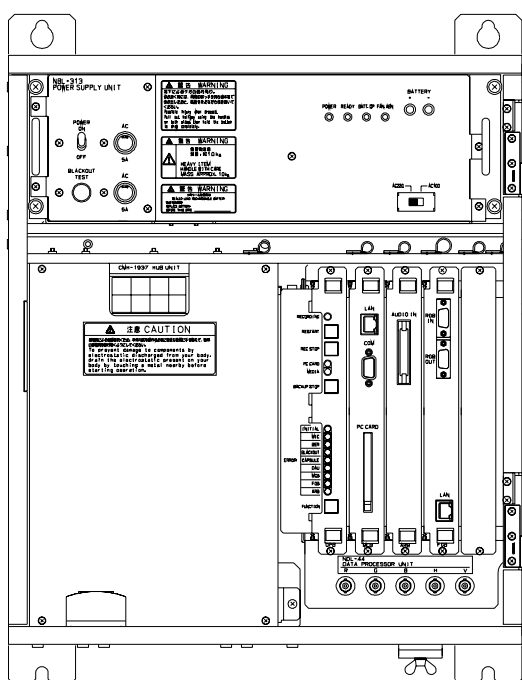
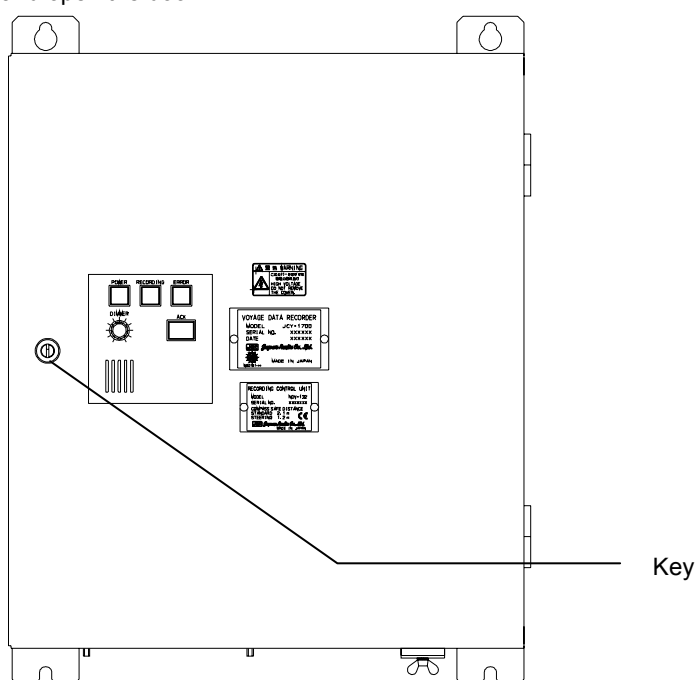
No.	Symptom	Cause	Action
1	Download from the VDR/ S-VDR is not possible.	Faulty wiring of LAN cable.	Check the connections.
2	Alarm occurs in the VDR/ S-VDR during the copy of PC card data to Playlist.	The PC card is not inserted more than 10 minutes in the VDR/S-VDR.	Please insert the PC card in the VDR/S-VDR after completion of copy.
3	Although PC card is inserted in the VDR/S-VDR, the PC CARD LED does not light.	The PC card may be damaged.	Please contact us in that case.
4	Audios are not output.	Audio Volume of the Playback software may be set low, or muting may be set valid.	Please adjust volume level, or cancel muting.
		Audio Volume of Windows OS may be set low, or muting may be set valid.	Please adjust volume level, or cancel muting.

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Chapter10 Appendix

10.1 How to stop capsule recording

Unlock the key and open the door.



Chapter10 Appendix

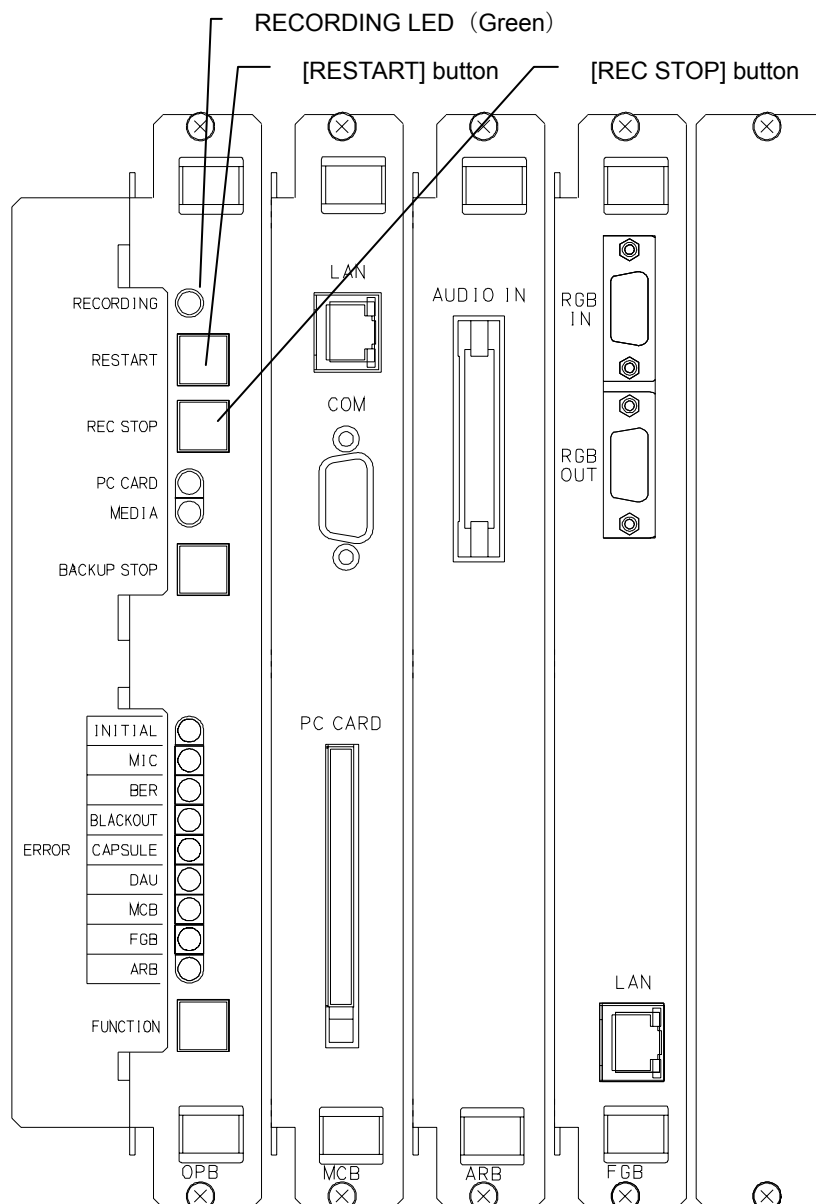
Operate the Internal Operation Panel as follows.

10.1.1 Stop Recording

- (1) Push [REC STOP] button.
- (2) The RECORDING LED blinks for about 1 minute and put out lights, and then capsule recording stops.

10.1.2 Restarting Recording

- (1) Push [RESTART] button
- (2) The RECORDING LED lights up, and then capsule recording restarts.



10.2 Sentence and indication place

(1/4)

Screen	Block	Section			Data		Sentence
					Indication	Unit	
Voyage1	Wind	True	Wind Direction		xxx.x	deg(°)	\$xxMWV
Voyage2			Wind Speed		xx.x	kt, m/s	
(Graphic)		Relative	Wind Direction		xxx.x	deg(°)	
			Wind Speed		xx.x	kt, m/s	
Rudder direction and heading	Rudder	Starboard		xxx.x	deg(°)	\$xxRSA	
		Port		xxx.x	deg(°)		
	Heading	True		xxx.x	deg(°)	\$xxHDT	
Heading	True		xxx.x	deg(°)	\$xxHDT		
Ship (Voyage)	STW (Water-reference)		[AS/AH]xx.x		kt	\$xxVBW	
			SOG (Ground-reference)		xx.x		kt
	Propeller	Pitch	Starboard	xxx.x	deg(°)	\$xxRPM	
			Port	xxx.x	deg(°)		
		Revolution	Starboard	xx	min-1	\$xxRPM	
			Port	xx	min-1		
	Rudder	Starboard		xxx.x	deg(°)	\$xxRSA	
		Port		xxx.x	deg(°)		
Ship (Docking)	Speed	Bow (The left and right in bow)		[P/S]xx.x	kt	\$xxVBW	
		SOG (Ground-reference)		[AS/AH]xx.x	kt		
		Stern (The left and right in stern)		[P/S]xx.x	kt		
	Thruster	Pitch		xxx.x	deg(°)	\$xxTRD	
		Revolution		xxx.x	min-1		
	Propeller	Pitch	Starboard	xxx.x	deg(°)	\$xxRPM	
			Port	xxx.x	deg(°)		
		Revolution	Starboard	xx	min-1	\$xxRPM	
			Port	xx	min-1		
	Rudder	Starboard		xxx.x	deg(°)	\$xxRSA	
		Port		xxx.x	deg(°)		

Chapter10 Appendix

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Screen	Block	Section	Data		
			Indication	Unit	Sentence
Voyage1 Voyage2 (Graphic)	Engine Telegraph	Telegraph Position	STOP ENGINE e.g.	---	\$xxETL
		SUB Telegraph	S/B, F/A, F/E e.g.	---	
		Ope.Location	Bridge, Port wing, Starboard wing e.g.	---	
		Propeller Cont.	Single, Starboard, Wing e.g.	---	
	Voyage Info	UTC	DD/MM/YYYY hh:mm:ss	---	\$xxZDA
		LMT	DD/MM/YYYY hh:mm:ss	---	
		Position	GPS, DGPS	---	\$xxGNS
		Lat.	xx° xx.xxx'[N/S]	---	
		Lon.	xxx° xx.xxx'[E/W]	---	
		Local Geodetic Datum	WGS84,WGS72 e.g.		\$xxDTM
		Steer. Mode	Auto/Manual		\$xxHTD
		Override	ON/OFF		
	Depth	Depth (Water / Tran. / Keel)	xxx.x	m	\$xxDPT
VDR (Numeric)	Date and Time	UTC	DD/MM/YYYY	---	\$xxZDA
		LMT	DD/MM/YYYY	---	
	Ship's Position	Position	GPS, DGPS	---	\$xxGNS
		Lat.	xx° xx.xxx'[N/S]	---	
		Lon.	xxx° xx.xxx'[E/W]	---	
		Datum	WGS84,WGS72 e.g.		\$xxDTM
	Wind speed and Direction	True	Speed	xxx.x	\$xxMWV
			Direction	xx.x	
		Relative	Speed	xxx.x	
			Direction	xx.x	

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Screen	Block	Section		Data		
				Indication	Unit	Sentence
VDR (Numeric)	Depth	Offset from transducer		Depth(Water/Tran./Keel)	---	\$xxDPT
		Depth		xxx.x	m	
	Heading	True		xxx.x	deg(°)	\$xxHDT
	Speed Water and Ground	STW (Water-reference)		[AS/AH]xx.x	kt	\$xxVBW
		SOG (Ground-reference)		[AS/AH]xx.x	kt	
		Bow (The left and right in bow)		[P/S]xx.x	kt	
		Stern (The left and right in stern)		[P/S]xx.x	kt	
	Rudder order and response	Control/ Order	Port	xxx.x	deg(°)	\$xxHTC
			Starboard	xxx.x	deg(°)	
		Order/ Response	Port	xxx.x	deg(°)	\$xxHTD
			Starboard	xxx.x	deg(°)	
		Response Feedback	Port	xxx.x	deg(°)	\$xxRSA
			Starboard	xxx.x	deg(°)	
	Heading/Track control	Steering mode		Manual Steering /Stand alone /Heading Control /Track Control /Rudder Control	---	\$xxHTD
		Override		ON/OFF	---	
		Heading-to-steer		xxx	deg(°)	

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Screen	Block	Section			Data		
					Indication	Unit	Sentence
VDR (Numeric)	Engine order and response	Remote control order	Port	Revolution	xx	min-1	\$xxPRC
				Pitch	xxx.x	deg(°)	
			Starboard	Revolution	xx	min-1	
				Pitch	xxx.x	deg(°)	
		Propeller response	Port	Revolution	xx	min-1	\$xxRPM
				Pitch	xxx.x	deg(°)	
			Starboard	Revolution	xx	min-1	
				Pitch	xxx.x	deg(°)	
	Thruster control order and response	Control/Order	Bow	Revolution	xx	min-1	\$xxTRC
				Pitch	xxx.x	deg(°)	
			Stern	Revolution	xx	min-1	
				Pitch	xxx.x	deg(°)	
		Response	Bow	Revolution	xx	min-1	\$xxTRD
				Pitch	xxx.x	deg(°)	
			Stern	Revolution	xx	min-1	
				Pitch	xxx.x	deg(°)	

アスベストは使用しておりません
Not use the asbestos

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01ETM

ISO 9001, ISO 14001 Certified

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Printed in Japan