

# SEIKO

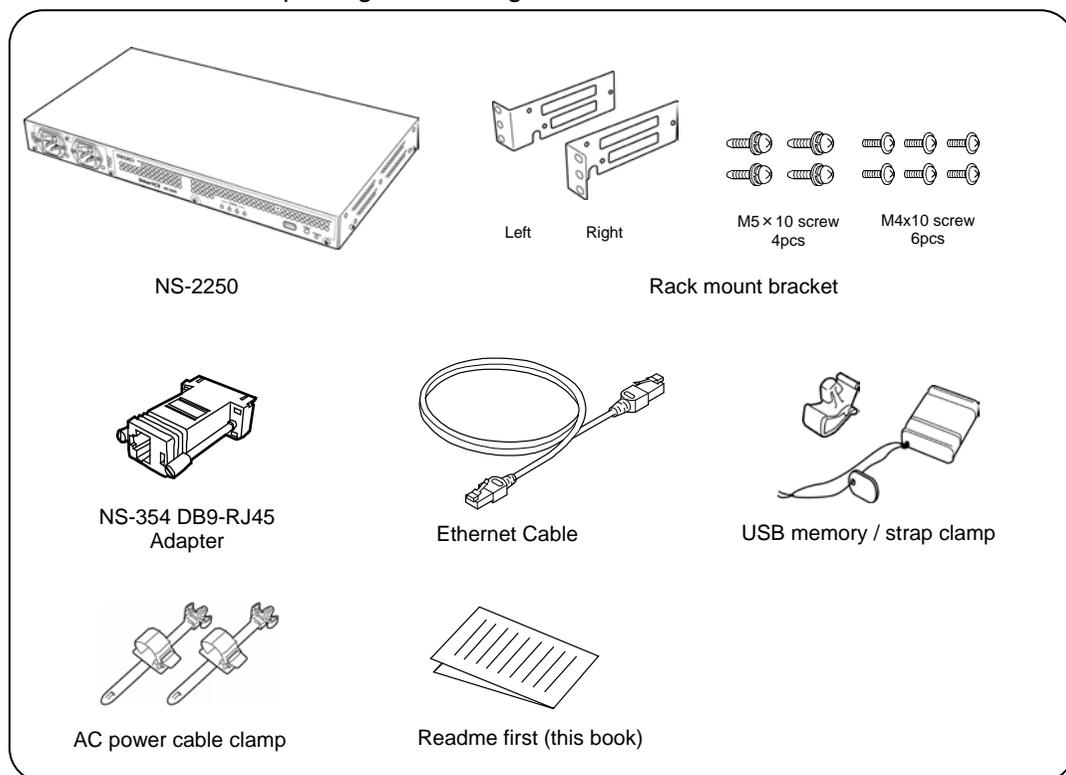
## Readme First

Before using this console server, carefully read this installation manual so you can use the console server correctly.

After reading this manual, store it in a safe place so can be accessed easily when necessary.

### Package contents

Check the contents of package containing the NS-2250.



### Latest manuals and system software

Download the latest manuals and system software from the following URL.

<http://www.seiko-sol.co.jp/en/products/console-server/>

SEIKO SOLUTIONS INC.

## Safety precautions

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Before using the NS-2250, carefully read these safety precautions so you can use the console server safely.

In this manual, the following symbols are used to call your attention to precautions so that you can use the NS-2250 safely and prevent damage to equipment.

The following table shows the meaning of these symbols. Understand the content of the chart fully before reading this manual.

	<b>Warning</b>	Ignoring the displayed contents and handling the console server incorrectly may result in death or serious injury.
	<b>Caution</b>	Ignoring the displayed contents and handling the console server incorrectly may result in injury or physical damage.

### Examples of symbols



 This symbol indicates content that requires attention (including danger and warnings).

The display example on the left indicates a warning or precaution.



 This symbol indicates a prohibited action.

The display example on the left indicates that disassembly is prohibited.



 This symbol indicates a required action or an instruction.

The display example on the left indicates removal of the power plug from the outlet.

## Warning



Do not disassemble or modify the NS-2250. Doing so can result in heat generation, fire, electric shock, or malfunction.



Do not remove the metal cover of the NS-2250. There are no user-serviceable parts inside. Doing so can result in heat generation, fire, electric shock, or malfunction.



Never use this console server in a location of extremely high humidity or a location in which it may be exposed to water or other liquids. Doing so can result in heat generation, fire, electric shock, or malfunction.



Never drop metal pieces or drip water or other liquids into the interior or gaps of the NS-2250. Doing so can result in heat generation, fire, electric shock, or malfunction.



Do not connect or disconnect the power cable or other cables with wet hands. Doing so can result in electric shock.



Do not block the heat vents of the NS-2250. Heat generation may cause fire, electric shock, or malfunction.



In the following situations, remove the power plug from the outlet. Continuing to use the NS-2250 under such abnormal conditions may cause an accident or fire.

- ◆ When you are servicing the NS-2250 or dealing with errors
- ◆ When you notice unusual odors, smoke, or unusual noises
- ◆ If metal pieces or water or other liquids enter the interior or gaps of the NS-2250
- ◆ If the NS-2250 has been dropped or the exterior surface of the NS-2250 has been damaged



Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading. Personal injury or equipment damage might result if mishandled.

## - Caution



Never perform the following actions.  
These actions can cause fire, electric shock, accident, or malfunction.

- ◆ Do not place objects on the NS-2250.
- ◆ Do not apply impact to the NS-2250 with blows or other similar actions.
- ◆ Do not place the NS-2250 in an unstable location.
- ◆ Do not place objects on cables, twist cables, or pull cables strongly.



Do not install the NS-2250 in the following locations or conditions.  
Doing so can result in malfunction.

- ◆ Direct sunlight
- ◆ Severe changes in temperature or humidity
- ◆ Very dusty locations
- ◆ Locations subject to vibrations
- ◆ Near a heating-cooling combination appliance



Always perform the following actions.  
Neglecting these actions can cause fire, electric shock, accident, or malfunction.

- ◆ Always use the NS-2250 at the specified power voltage.  
The power voltage of the NS-2250 is displayed on the nameplate on its bottom surface and near the AC inlet and DC power connector.
- ◆ Potential difference may be generated between the NS-2250 and target equipment to be connected depending on the installation environment. When connecting a cable, do not touch the terminal of the connector section. Doing so can result in electric shock.
- ◆ Use an outlet that is near the NS-2250 and can be easily accessed.



Always ground the power cable.  
Neglecting to ground the power cable can result in fire or electric shock.

## Handling precautions

- ◆ Never perform the following actions. They can result in malfunction of the NS-2250 or USB memory or corrupt the contents of the USB memory.
  - While the STATUS 4 light is on, do not remove the USB memory. If the USB memory is removed during operation, the operation of the NS-2250 is not guaranteed.
  - While the NS-2250 is running normally, do not cut the power of the NS-2250 by switching off the power switch or pulling out the power cable, or press the RESET switch.  
Before you switch off the power, carry out the “shutdown” command to exit the system software. Next, either confirm that the “MON>” prompt is displayed on the console or wait for the STATUS 2 light on the front of the NS-2250 to switch on. Finally, switch off the power.
  - Do not touch the connector of the USB memory with your hand or metal directly.
- ◆ To press the RESET switch, use an item with a narrow tip, such as the tip of a ballpoint pen. Do not use a mechanical pencil. If the lead of a mechanical pencil breaks and falls inside this console server, a malfunction may result.
- ◆ When you cut the power by switching off the POWER switch or removing the power cable of the NS-2250, wait 10 seconds or more before supplying power by switching on the POWER switch or inserting the power cable of the NS-2250. If power is supplied too quickly, the NS-2250 may not reset normally. When a redundant power is used, turn off both power.
- ◆ Clean the heat vents with a vacuum cleaner or similar device about once every two months.
- ◆ If the exterior of the NS-2250 becomes soiled, soak a soft cloth in a neutral detergent diluted with water, wring it well, and then wipe the exterior. Next, wipe with a dry cloth.
- ◆ This equipment is for indoor use and all the communication wirings are limited to inside of the building.

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## Connect to the CONSOLE port

Use the CONSOLE port to set up the NS-2250 and output log information of the NS-2250 and other console messages.

The CONSOLE port is a DTE port. Its specifications are different from the serial ports of the NS-2250. For details, see Appendix A, "Specifications of the NS-2250".

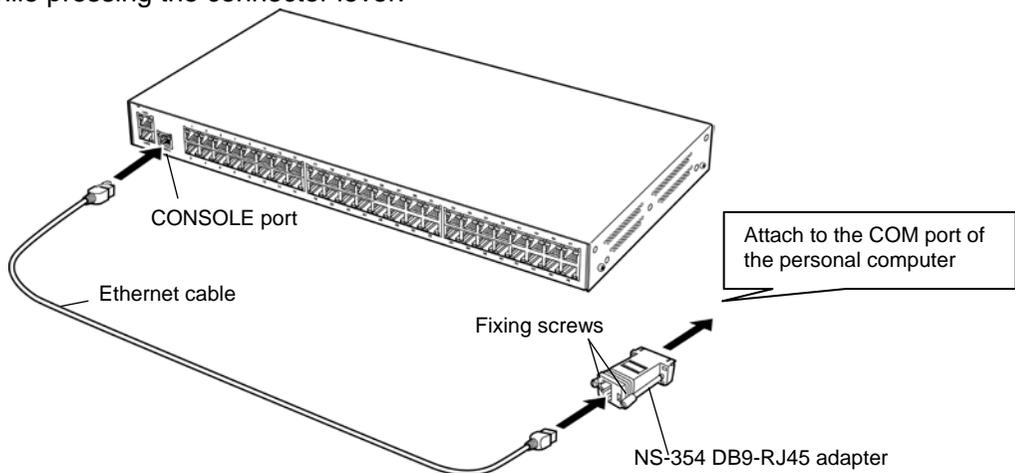
Table shows the specifications of the CONSOLE port.

Configure the settings of the target terminal to be connected to match these specifications.

Item	Specifications
Interface	RS-232-compliant RJ45
Transfer speed	9600 bps
Data length	8 bit
Parity	None
Stop bit	1 bit
Flow control	XON/XOFF

Connect the CONSOLE port of the NS-2250 and the COM port of a PC/AT personal computer as shown in Figure.

- (1) Insert the D-sub 9-pin connector of the included NS-354 DB9-RJ45 adapter into the COM port of the personal computer, and then secure it by tightening the fixing screws.
  - (2) Connect an Ethernet cable (straight-through Category 5 UTP cable) to the RJ45 connector of the adapter and the CONSOLE port of the NS-2250.
- Insert the cable until you hear it click and lock. When removing the cable, pull it out while pressing the connector lever.



**Caution** The CONSOLE port has the same RJ45 connector as the LAN port. Make sure you connect to the CONSOLE port, not the LAN port.

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When you dispose of the NS-2250, observe the regulations of local government. For details, contact your local government.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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