

Safety Symbols

To prevent the risk of personal injury or damage to the equipment, the following safety symbols are used to indicate safety-related information. Be sure that you clearly understand the meanings of the symbols BEFORE using the equipment.

Symbols Used in Manual



DANGER

This indicates a very dangerous procedure that could result in serious injury or death if not performed properly.



WARNING

This indicates a hazardous procedure that could result in serious injury or death if not performed properly.



CAUTION

This indicates a hazardous procedure or danger that could result in light-to-severe injury, or that might damage the equipment, if proper precautions are not taken.

Safety Symbols Used on Equipment

The following safety symbols are used inside or on the equipment near operation locations to provide information about safety items and operation precautions. Insure that you clearly understand the meanings of the symbols and take the necessary precautions BEFORE using the equipment.



This indicates high voltages with a risk of serious electric shock if the part is touched. NEVER touch the part with bare hands, etc.



The symbol prohibits the operation shown inside the symbol. (The example on the left prohibits disassembly.)



The symbol indicates that the operation inside the symbol is potentially hazardous. (The example on the left indicates that the plug should be held when disconnecting it from the AC outlet.)



This indicates the ground (earth) terminal. If the equipment cannot be grounded via the power cord, connect this terminal to ground. There is a risk of serious electric shock if the equipment is not grounded.

RA51/RA52/RA53/RA54/RA55
Marine Radar
Instruction Manual

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For Safety

WARNING and CAUTION for Scanner Unit and Antenna;

- ① Do not approach the antenna while it is transmitting.
 In addition, at inspection never look into the wave-guide during transmission.
 Distance at which RF power density level to become 100 W/m² 0.8 m
 Distance at which RF power density level to become 10 W/m²: 8 m
- ② There is a risk of receiving electric shock if these parts are touched by accident.
 Only qualified personnel should remove covers on these parts.

| | | |
|---|---|------------------------------------|
|  WARNING/警告 | | |
|  | RF Radiation in process ! Keep away from the antenna. | 電波発射中 近寄らないでください! |
|  | Lethal High Voltage Inside ! Do NOT open the cover. | 高圧危険 開けないでください! |

WARNING for Display Unit;

There is a risk of receiving electric shock if these parts are touched by accident.
 Only qualified personnel should remove covers on these parts.

 **WARNING**
"HIGH VOLTAGE inside"
 Only qualified person should work inside display unit.
 Consult MANUAL before opening.

 **警告**
 内部に高電圧があり危険です。
 サービスマン以外は開けないで下さい。
 サービスマンは取扱説明書を熟読してから開けて下さい。

Installation

Read and understand the manual thoroughly before installing this unit.

To The User

- * Read and follow the operation and maintenance procedures in this manual. Note that this equipment is only a navigational aid. There is *no warranty for navigational safety*. It is no substitute for prudent navigational procedure and should not be relied on solely for passage.
- * If this equipment does not operate properly, immediately turn off the power switch and disconnect the main power supply. Notify your authorized Simrad dealer or technical service center as soon as possible.
- * The liquid crystal display as well as some of the internal components of this radar can be damaged by dropping or excessive force due to impact. Mount the unit so that it will not be subject to these forces.
- * Mercury (Hg) is used in the LCD backlight. When the unit is taken out of service, it should be disposed of according to local regulations regarding hazardous materials.