



Product Safety Guide



Instructions for safely handling Surf Easy products

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Introduction

This Product Safety Guide contains important information and instructions that should be followed during installation and maintenance of Surf Easy equipment and products. It is intended for all customers who setup, install, relocate, or maintain Surf Easy equipment.

For your protection, and the protection of people around you, ensure that you adhere to the following set of safety warnings.

Life Support Suitability

Arinda and its affiliates and subsidiaries world-wide do not recommend the use of any of their products in life support applications where failure or malfunction of the product can be reasonably expected to cause failure of a life support device or to significantly affect its safety or effectiveness.

Lifting & Handling Safety



<18 kg (<40 lb)



32–55 kg (70–120 lb)



18–32 kg (40–70 lb)



>55 kg (>120 lb)



>10°

General Safety

- ⚠ Do not work alone under hazardous conditions.
- ⚠ Do not attempt to disassemble any product. The chassis of all Surf Easy devices are tamper proof and should never be opened under any circumstances. Doing so will void the warranty.
- ⚠ Do not work on a device during periods of lightning activity. More specifically, do not connect or disconnect cables, as the device can function as a conduit.



Equipment Installation

- ⚠ Always read and follow the cabling and installation instructions that came with your Surf Easy product before connecting the device to a power source or network.
- ⚠ Always use qualified and licensed service professionals for cabling, installation, and repair of hardware.
- ⚠ Do not stack or balance the equipment on other devices.
- ⚠ Always secure any loose cables or cords so as to avoid tripping over them, and to allow better air circulation.
- ⚠ **WARNING:** Before working on a device that has an On/Off switch, turn the power OFF and disconnect the power cord to all power supplies.

Rack Mounting

The following information will help you plan an acceptable equipment rack configuration.

- ⚠ Do not stack or balance the equipment on other devices to avoid tripping over cords and cables, and to allow air circulation. Verify that the installation is secure.
- ⚠ Install the device in an open rack whenever possible. If you install the device in an enclosed rack, ensure that it has adequate ventilation. Ensure that the rack is not overly congested because each unit generates heat. An enclosed rack should have louvered sides and a fan to provide cooling air.
- ⚠ When mounting a chassis in an open rack, ensure that the rack frame does not block the intake or the exhaust ports. If the chassis is installed on slides, check the position of the chassis when it is seated all the way into the rack.
- ⚠ In an enclosed rack with a ventilation fan in the top, excessive heat generated by equipment near the bottom of the rack can be drawn upward and into the intake ports of the equipment above it in the rack. Ensure that you provide adequate ventilation for equipment at the bottom of the rack.
- ⚠ Baffles can help to isolate exhaust air from intake air, which also helps to draw cooling air through the chassis. The best placement of the baffles depends on the airflow patterns in the rack, which can be found by experimenting with different arrangements.

Environment

- ⚠ Surf Easy products are intended for use in a normal office environment.
- ⚠ Check the power at your site to ensure that you are receiving “clean” power (free of spikes and noise). Install a power conditioner if necessary.
- ⚠ Choose an installation location that maintains an ambient temperature of 0°C to 40°C, with low humidity.
- ⚠ All electrical equipment generates heat. Ensure that the room in which you operate your system has adequate air circulation. Natural air temperature might not be sufficient to cool the equipment to acceptable operating temperatures without an additional ventilation system.



- ⚠️ Ensure that the device is installed in a secure location where access to the device is limited to authorized personnel.

Electrical Safety

- ⚠️ Many Surf Easy products utilise potentially hazardous voltages.
- ⚠️ Surf Easy products rely on the building's safety features for protection against short-circuit, over-current, and earth (grounding) fault. Ensure that the building's safety features are properly rated to protect the device.
- ⚠️ We highly recommend that Surf Easy devices are connected to an AC power source equipped with a surge protection device.
- ⚠️ High currents through conductive materials can cause severe burns. To avoid personal injury you should remove wrist watches and jewellery such as rings when working on electrical devices.
- ⚠️ Regularly check that all power cords, cables, plugs, and sockets are in good condition.
- ⚠️ When electrical grounding cannot be verified, disconnect the equipment from the utility power outlet before installing or connecting any other equipment.
- ⚠️ Reconnect power cords only after all connections between devices are made.
- ⚠️ Do not handle any metallic connector before the power has been disconnected.
- ⚠️ Always connect equipment to a three wire utility outlet (two poles plus ground). The receptacle must be connected to appropriate branch circuit/mains protection (fuse or circuit breaker). Connection to any other type of receptacle may result in risk of electrical shock.
- ⚠️ **CAUTION:** Do not overload the wiring; be careful when connecting devices to the supply circuit.
- ⚠️ **WARNING:** Most computer equipment contains capacitors and batteries, meaning that they may store electrical charge and be energized even when the unit is not connected to a utility power outlet. To de-energize a computer or electrical device you should physically shutdown and turn off the device, turn off the power switch at the wall, and then press the power button or switch on the unit to allow the charge to leave the system.

Wireless Safety

- ⚠️ Wireless devices such as wireless hotspots and access points transmit electromagnetic waves. There are currently no known health risks associated with the use of wireless devices, however we recommend that wireless devices are installed no closer than 30cm to any position that a person or group of people will frequently occupy.
- ⚠️ **WARNING:** In countries other than the United States or Japan, you must set the correct country code with the set WLAN country-code command to avoid violating local radio spectrum laws. This command sets the appropriate channel range and transmission power level so that a WLAN connection can be established.

