

Congratulations on the purchase of your new Dolphin® 7400/7450 hand held computer. You have made a wise choice in selecting the Dolphin, a device known worldwide for its ergonomic shape, light weight and single-handed data collection features.

The patented shape of the Dolphin 7400 allows true, one-handed operation and fits either hand comfortably, while the Dolphin 7450's integrated pistol-grip handle provides comfortable ergonomics and intuitive point-and-shoot scanning for extended periods of use.

Built to last, the Dolphin's ruggedly built case houses a 206MHz RISC processor and Microsoft® Windows® CE™ operating system that is easily programmable with standard programming tools, Microsoft® Windows® CE™ eMbedded Visual Tools (includes eMbedded Visual C/C++® and eMbedded Visual Basic®) or Java™. Dolphin 7400 supports Insignia Solutions® Jeode™ Java Virtual Machine to run Java-based applications on the terminal. The terminal provides ample, secure storage for data and applications with its 32 MB RAM and 32 MB FLASH memory configuration. Up to 256MB additional memory for data storage is available with an optional compact flash card.

The Dolphin 7400/7450 terminals are some of the most durable devices available, designed to withstand repeated five-foot drops onto a concrete floor. The terminal also resists extreme temperatures, humidity levels and dust conditions.

The Dolphin's collection of features also includes: long-lasting Nickel Metal Hydride (NiMH) batteries; a large easy-to-read 240 x 320 1/4 VGA backlit display that can display text or graphics; a natural scan and viewing angle; a low-power, high-resolution digital image engine for omni-directional and auto-discrimination decoding of linear bar codes; Stacked Linear and matrix codes and provides OCR (Optical Character Recognition) functionality and an optional Advanced Long Range laser scanner. The Dolphin 7400/7450 may also be equipped with an 802.11b direct sequence radio for real-time data collection applications.

Load up the Dolphin with your custom software application and the ultimate data collection solution for your business fits in the palm of your hand.

The Dolphin 7400/7450 hand held Computer/HomeBase™ User Guide is designed to provide you with the information you need to make the most of your new Dolphin terminal. Sections on the basics, safety, battery use, accessories, and service make this guide a complete source of information.

Safety

The Dolphin 7400/7450 hand held computer meets or exceeds the requirements of all applicable standards organizations for safe operation. However, as with any electrical equipment, the best way to ensure safe operation is to know the possible risks.

The following safety guidelines are designed to protect both you and others around you. Please read them carefully before using your Dolphin terminal.

Required Safety Labels

Batch Terminals

The following is the required safety label that appears on the back panel of Dolphin 7400/7450 batch terminals equipped with an imager:



The following are the required safety labels that appear on the back panel of Dolphin 7400/7450 batch terminals equipped with a laser scanner:



If Your Dolphin 7400/7450 has a radio

The Dolphin® 7400/7450 RF terminal is designed to comply with the most current applicable standards on safe levels of RF energy developed by the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) and has been recommended for adoption by the Federal Communications Commission (FCC).

The following is the the required safety label that appears on the back panel of the Dolphin 7400/7450 RF terminals equipped with a Cisco® 352 radio and an imager:



The following is the the required safety label that appears on the back panel of the Dolphin 7400/7450 RF terminals equipped with a Spectrum24® radio and an imager:



The following is the required safety label that appears on the back panel of Dolphin 7400/7450 RF terminals equipped with a laser scanner:



FCC Compliance

Dolphin 7400/7450 Batch Terminal

The Dolphin 7400/7450 Batch complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. Devices may not cause harmful interference.
2. Devices must accept any interference received, including interference that may cause undesired operation.

Dolphin 7400/7450 RF Terminal with Cisco 352 or Spectrum 24 3021 Radio.

This device complies with part 15 of the FCC Rules. Operation is subject to the following 2 conditions: (1) Devices may not cause harmful interference, and (2) this must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.

-
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet helpful: "Something About Interference." This is available at FCC local regional offices. Our company is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by our company. The correction will be the responsibility of the user. Use only shielded data cables with this system.

CAUTION: To comply with FCC RF exposure compliance requirements, a separation distance of at least 2 inches (5 cm) must be maintained between the antenna of this device and all persons (excluding hands, wrists, feet and ankles), during normal operation.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is not specified or designed for body-worn configurations. Use of any body-worn accessories may not ensure compliance with the FCC RF exposure guidelines.

Regulatory and Safety Agency Approvals

Parameter	Specification
U.S.A.	FCC Part 15, Class B
Canada	IEC 0003
Europe	EN 55022 (CISPR22) Class B ETS 300 826 Type Certified
Others	EMC 89/336/EEC EN 50082-1:1997, EN55024
RF Approvals	
U.S.A.	FCC Part 15.247
Canada	RSS 210 Certified
Europe	ETS 300 328 Certified

The CE mark on the product indicated that the system has been tested to and conforms with the provisions noted within the 89/336/EEC Electromagnetic Compatibility Directive and the 73/23/EEC Low Voltage Directive.

Dolphin RF Spectrum 24 3021 R&TTE Compliance Statement:

The Hand Held Products Dolphin 7400RF and Dolphin 7450RF are in conformity with all essential requirements of the R&TTE Directive (1999/5/EC). This equipment has been assessed to the following standards:

Parameter	Specification
R&TTE	EN 300 328 (November 1996) EN 301 489-1 (August 2000) EN 301 489-17 (Sept 2000) EN 60950: 1992 Incl Amdt 1-4,11 EN 50361: 2001

This product is marked with **CE 168**  in accordance with the Class II product requirements specified in the R&TTE Directive, 1999/5/EC.

The equipment is intended for use throughout the European Community, but it's authorization for use in France is restricted as follows:

PAN European Frequency Range: 2.402 - 2.480 GHz

Restricted Frequency Range for use in France: 2.448 - 2.480 GHz

Dolphin RF Cisco 352 Compliance Statement:

Parameter	Specification
R&TTE	EN 300 328 (November 1996) EN 301 489-1 (August 2000) EN 301 489-17 (Sept 2000) EN 60950: 1992 Incl Amdt 1-4,11 EN 50361: 2001

This product is marked with **CE 336**  in accordance with the Class II requirements specified in the R&TTE Directive, 1999/5/EC.

The equipment is intended for use throughout the European Community, but it's authorization for use in France is restricted as follows:

PAN European Frequency Range: 2.402 - 2.480 GHz
Restricted Frequency Range for use in France: 2.448 - 2.480 GHz

For further information please contact,

HHP (UK) Ltd.
1st Floor
Dallam Court Dallam Lane
Warrington, Cheshire WA2 7LT
England

HHP shall not be liable for use of our product with equipment (i.e., power supplies, personal computers, etc.) that is not CE marked and does not comply with the Low Voltage Directive.

Pacemakers, Hearing Aids and other Electrically Powered Devices

Most manufacturers of medical devices adhere to the IEC 601-1-2 standard. This standard requires devices to operate properly in an EM Field with a strength of 3V/m over a frequency range of 26 to 1000MHz.

The maximum allowable field strength emitted by the Dolphin is 0.3V/m according to Subpart B of Part 1 of the FCC rules. Therefore, the Dolphin RF will have no effect on medical devices that meet the IEC specification.

Microwaves

The radio in the Dolphin RF terminal operates on the same frequency band as a microwave oven. Therefore, if you use a microwave oven within range of the Dolphin RF terminal you may notice performance degradation in your wireless network. However, both your microwave and your wireless network will continue to function.

The Dolphin Batch terminal does not contain a radio, and therefore, is not affected by microwave ovens.

Batteries

The following are general guidelines for the safe use and disposal of batteries:

- Use only the battery supplied with your Dolphin or a replacement battery supplied, recommended or approved by HHP.
- Replace a defective battery terminal immediately as it could damage the Dolphin terminal.
- Never throw a used battery in the trash. It contains heavy metals and should be recycled according to local guidelines.
- Don't short-circuit a battery or throw it into a fire. It can explode and cause severe personal injury.
- Excessive discharge damages a battery. Recharge the battery when your Dolphin indicates low battery power.
- Although your battery can be recharged many times, it will eventually be depleted. Replace it after the recommended usage period (about 600 charge cycles for the 2700 mAh NiMH battery) or if the battery is unable to hold an adequate charge.
- If you are not sure the battery or charger is working properly, please send it to Hand Held Products, or an authorized HHP service center, for inspection.

The Dolphin hand held computer meets or exceeds all applicable standards and has been manufactured to the highest level of quality.

Care and Cleaning of the Dolphin

When needed, clean the image engine/laser scanner window and the LCD display with a clean, non-abrasive, lint free cloth.