SCANTEAM® 3470 CCD
SCANTEAM® 5770 LASER

Cordless
Quick Start Guide

Welch Allyn®

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CE

The CE mark on the product indicates 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.

Welch Allyn 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.

LR 89329

NRTL/C

C.S.A. Statement

This product must be used with a certified Class 2 power supply or be powered by a certified SELV (Safety Extra Low Voltage) output.

RF Approvals	This product complies with the following:	
	U.S.A.	FCC Part 15.249 Certified
	Australia	C–TIC
	Canada	RSS 210 Certified
	Europe	ETS 300 328 Certified
	Mexico	NOM–EM–121–SCT1–1994 Certified
	Singapore	Type Approval for Spread Spectrum System
Safety Approvals	U.S.A.	UL Listed, C22.2 No. 950 / UL 1950
	Australia	conforms to AS/NZS N344
	Canada	3548cUL Listed
	Europe	TÜV Rheinland GS Licensed, EN 60950 (IEC 950) (Scanner and Base only, not on battery)
	Mexico	NYCE Certified, NOM 19

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Statement of Agency Compliance

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

FCC Class B Compliance Statement

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. However, there is no guarantee that interference will not occur in a particular installation. 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 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 or television technician for help.

Caution: Any changes or modifications made to this device that are not expressly approved by Welch Allyn, Inc. may void the user's authority to operate the equipment.

Note: To maintain compliance with FCC Rules and Regulations, cables connected to this device must be *shielded* cables, in which the cable shield wire(s) have been grounded (tied) to the connector shell.

Canadian Notice

This equipment does not exceed the Class B limits for radio noise emissions as described in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la classe B prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

CDRH Laser Safety Statement

This product complies with US DHHS 21 CFR J Part 1040.10. This product is a CLASS II LASER PRODUCT with a maximum output of 1.0 mW at 670 nanometers and continuous wave.

EN 60825–1 Laser Safety Statement

This product is classified as a CLASS 2 LASER PRODUCT with a maximum output of 9.0 mW at 670 nanometers per EN 60825–1:1994, Issue 2, June 1997.

Introduction

The Cordless Scanning System consists of the SCANTEAM 2070 Base unit and at least one SCANTEAM 3470 Cordless CCD or SCANTEAM 5770 Cordless Laser Scanner. Up to nine scanners may be associated with one base. Each cordless scanner has a removable, rechargeable battery pack and provides real time decoding within a 50 foot (15.24 meter)† radius of the Base unit.

The Cordless System is an economical, durable solution for a wide variety of portable data collection applications. The Cordless System features:

- a tough, ergonomic thermoplastic housing for comfort and durability.
- recognition and decoding of the most popular, industry-standard bar code symbologies.
- scanner coverage of up to 7854 square feet (730 square meters) in open air environments.
- a wide range of interfaces that are compatible with many POS, keyboard wedge, and RS-232 terminals.
- visible and audible feedback for confirmation of a successful decode.
- a choice of rechargeable batteries designed to operate through a whole work day.

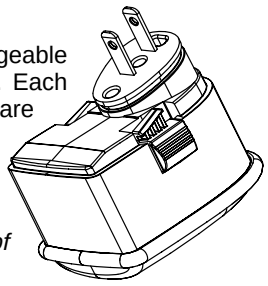
This Quick Start Guide contains information about the Cordless Scanner to help you get started: charging the scanner's battery pack and associating the scanner to a base. For more detailed information on how to set up, operate, and program the Cordless System, see the Cordless System Manual (which is shipped with the Cordless Base unit).

The Quick Start Guide contains the following information:

- Battery Pack and Charging Information
- Associating the Cordless Scanner to a Base
- Beeper Volume Menu Selections
- Customer Support Information
- Limited Warranty and Warranty Durations

† A 50 foot radius is obtained under optimal, "open air" conditions. Signals between the Base and its scanners need a clear path to communicate, free from RF interference.

About the Battery Pack



Power is supplied to the Cordless Scanner by a rechargeable battery pack that snaps onto the bottom of the scanner. Each scanner is shipped with a battery pack †. Battery packs are offered in a choice of a Nickel Cadmium (NiCad) cells, as an entry level solution, or a premium battery pack based on Nickel Metal Hydride (NiMH) cells. *(See Battery Specifications in the Cordless System Manual for the differences between the two types of battery packs, as well as storage information.)*

† Order backup battery pack(s) or replacement batteries from your distributor.

North American Charging Information

The battery pack is designed to plug into any two prong North American AC power outlet (110/120 Volt) for direct charging. You need no additional equipment and you can recharge the pack virtually anywhere.

Worldwide Charging Information

The battery pack is rated for 110/120 50/60 Hz applications but may be recharged worldwide using a step down transformer. The step down transformer, provided with each Cordless Scanner shipped outside North America, changes typical 240V AC into 120V AC output. All batteries shipped outside North America are fused to protect against charging at any higher voltage than 120V AC.

Contact your distributor for more information or to order additional step down transformers.

Battery Pack Recommendations

- NiCad batteries are shipped uncharged and need to be *fully* charged and discharged two or more times to be fully conditioned.
- Charge the battery for 24 hours the first two or more times to fully charge the battery.
- Charge the battery pack immediately before use or at least within a couple of days of use.
- Remove the battery pack from the power outlet after charging is completed. Avoid extended overcharging; do not leave the battery charging for more than two days.
- Periodically fully discharge the battery pack.
- Avoid using the battery pack in extreme temperatures.
- Do not disassemble the battery pack. There are no user-serviceable parts in the battery pack.

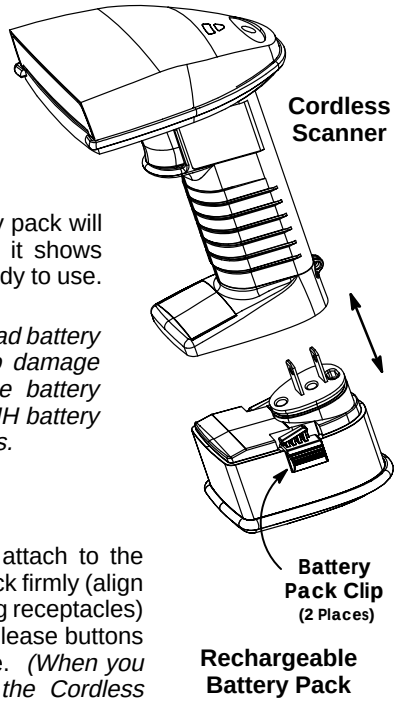
Proper Disposal of the Battery Pack

When the battery pack has reached the end of its useful life, the batteries should be disposed of by a qualified recycler or hazardous materials handler. Do not incinerate the battery pack or dispose of the battery pack with general waste materials. Contact the Product Service Department (see page 5) for recycling or disposal information.

Charging Your Battery Pack

Charge the Battery Pack by following the steps shown below:

❶ Fully charge the battery (see page 2). Plug the battery pack directly into any common 120 Volt AC outlet in North America. If outside North America, use the step down transformer provided with the scanner.



❷ The LED on the bottom of the battery pack will light red when the unit is charging; it shows green when it is fully charged and ready to use.

Note: It is important that you charge a NiCad battery for 48 hours prior to first use. No damage occurs if this is not done, but the battery capacity will not be at 100%. A NiMH battery requires charging for only 24.5 hours.

Recharge Time (NiCad or NiMH):
8 hours at 120 VAC, 50/60 hz

❸ After battery pack is fully charged, attach to the Cordless Scanner by pressing the pack firmly (align the prongs on the pack with the mating receptacles) in the base of the scanner until the release buttons click, holding the pack firmly in place. *(When you attach a charged battery pack to the Cordless Scanner, you will hear a single beep.)*

❹ If you haven't set up your Cordless System, refer to the "Setting Up and Connecting the Cordless System" section in the System Manual for instructions.

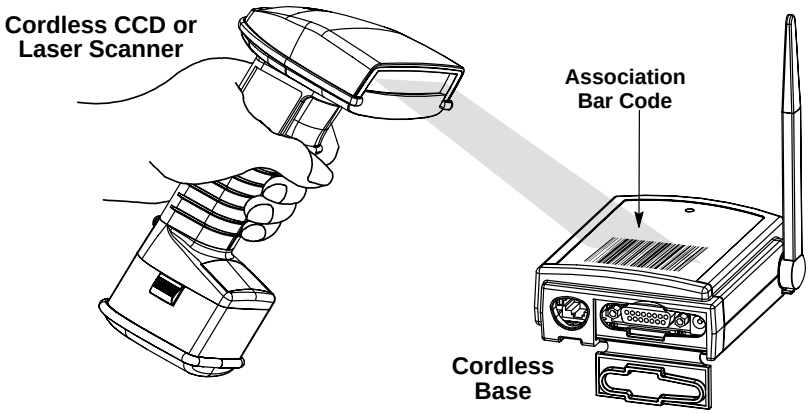
When the battery pack needs recharging, the yellow LED on top of the scanner pulses in short, continuous blinks and the scanner won't beep when you pull the trigger. If the LED stops flashing when the temperature lowers or you do not use the battery pack for some time, you still need to charge the battery pack to avoid damaging the battery pack or causing scanner memory loss.

† Plug the battery pack into a wall socket in North America ***only***. Failure to comply could result in equipment failure.

Associating the Cordless Scanner to a Base

Important: *Make sure the Cordless Scanner's battery pack has been fully charged. See page 3 for charging instructions.*

Using the Cordless Scanner, scan the Association Bar Code (the bar code label on the top of the Base) to link that scanner to the Base (see the illustration below).



Two quick beeps followed by clicking, then a single beep indicates a "good" association. The scanner is in communication with the Base.

After association, if the battery pack is removed from the scanner and replaced, the scanner automatically re-associates to the base if the base has remained powered up. In this case, the scanner beeps when a charged battery pack is installed, then clicks and beeps a second time after full association, about five to ten seconds later.

Note: *To set up and connect the Cordless System to the host system, refer to the Cordless System Manual that is shipped with each Base unit. The System Manual includes all programming selections, more detailed explanations of the Cordless System, product specifications, scan maps, connector illustrations and pinouts, maintenance and troubleshooting information.*

Limited Warranty

Welch Allyn, Inc., hereby warrants its products to be functional and free from manufacturing defects at the time of delivery. Welch Allyn, Inc. further warrants that it will replace or repair, at its option, any unit that fails to perform according to Welch Allyn's published specifications during a specified duration (see chart below) from the time of shipment by Welch Allyn, Inc. to the user at the time it is purchased from any of Welch Allyn Inc.'s Authorized Distributors. Any attempt on the part of the user to disassemble or service the equipment shall void the warranty.

The warranty does not apply to product which have been damaged by improper handling, shipping, or misuse. The warranty does not apply, if, in the sole opinion of Welch Allyn, Inc., the unit has been damaged by accident, misuse, neglect, improper shipping and handling. Since the unit is sensitive to static, the responsibility to protect it from static damage is solely that of the user. The warranty is valid only if the unit has not been tampered with or serviced by any party unauthorized by Welch Allyn, Inc. as a repair facility.

THE WARRANTIES SET FORTH HEREIN ARE IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER ACKNOWLEDGES THAT NO OTHER REPRESENTATIONS WERE MADE OR RELIED UPON WITH RESPECT TO THE QUALITY AND FUNCTION OF THE CORDLESS SYSTEM HEREIN SOLD.

In no event shall Welch Allyn, Inc. or its resellers be liable for any loss, inconvenience or damage whether direct, incidental, consequential or otherwise, and whether caused by negligence or other fault resulting from the breach of any express warranty except as set forth herein. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

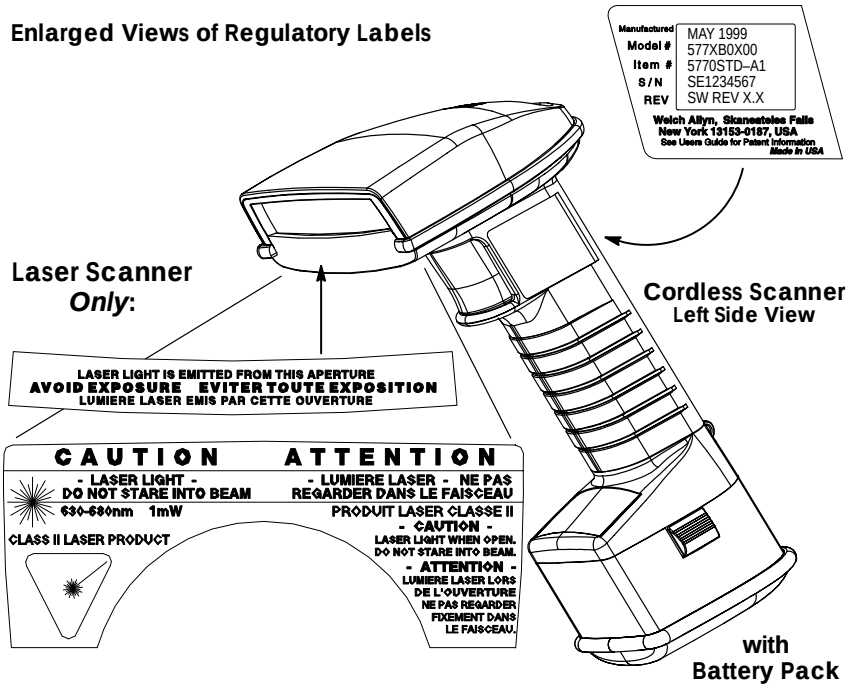
This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

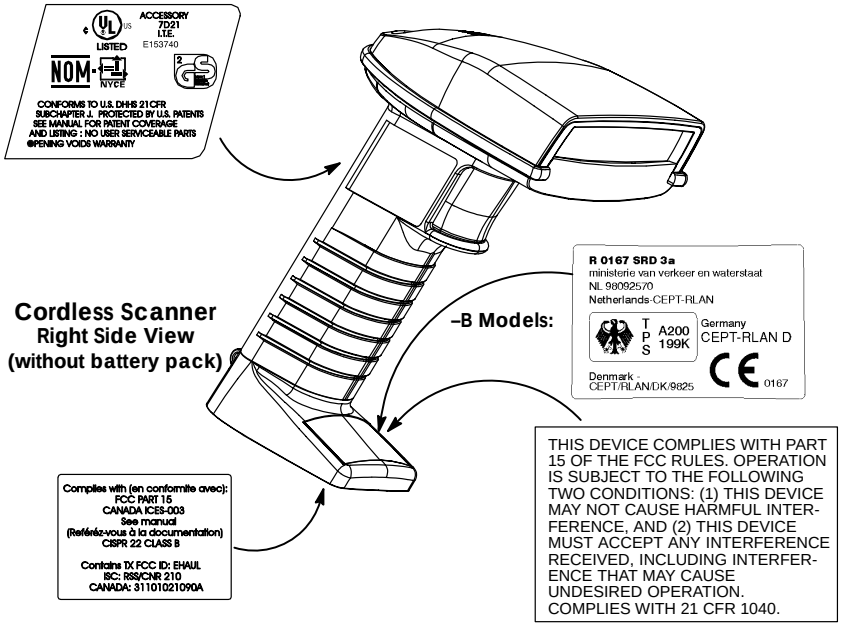
Limited Warranty Durations

Cordless CCD Scanner	Cordless Laser Scanner	Cordless Base Unit	Nicad Battery	NiMH Battery
3 Years	3 Years	3 Years	1 Year	1 Year

Statement of Agency Compliance

Enlarged Views of Regulatory Labels





Sample Bar Codes

Code 39

TEST–SHEET

Matrix 2 of 5

6543210

Code 128

CODE 128

Code 93

123456–9$

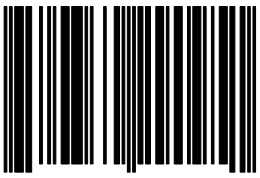
Codabar

0013557900

Code 2 of 5

123456

EAN 13



9 780330 290951

UPC A with 5 digit addenda

56098

0 12345 67890 5

Interleaved 2 of 5

1234567890

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