

S P T 1 8 0 0 S e r i e s

QRG



symbol[™]
The Enterprise Mobility Company[™]

S P T 1 8 0 0 S e r i e s

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<http://www.symbol.com>

Patents

This product is covered by one or more of the following U.S. and foreign Patents:

U.S. Patent No. 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095;
4,758,717; 4,760,248; 4,806,742; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281;
4,933,538; 4,962,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461;
5,113,445; 5,130,520; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149;
5,180,904; 5,216,232; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791;
5,250,792; 5,260,553; 5,262,627; 5,262,628; 5,266,787; 5,278,398; 5,280,162; 5,280,163;
5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,306,900; 5,324,924; 5,337,361; 5,367,151;
5,373,148; 5,378,882; 5,396,053; 5,396,055; 5,399,846; 5,408,081; 5,410,139; 5,410,140;
5,412,198; 5,418,812; 5,420,411; 5,436,440; 5,444,231; 5,449,891; 5,449,893; 5,468,949;
5,471,042; 5,478,998; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,519,577; 5,528,621;
5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,557,093; 5,578,810; 5,581,070; 5,589,679;
5,589,680; 5,608,202; 5,612,531; 5,619,028; 5,627,359; 5,637,852; 5,664,229; 5,668,803;
5,675,139; 5,693,929; 5,698,835; 5,705,800; 5,714,746; 5,723,851; 5,734,152; 5,734,153;
5,742,043; 5,745,794; 5,754,587; 5,762,516; 5,763,863; 5,767,500; 5,789,728; 5,789,731;
5,808,287; 5,811,785; 5,811,787; 5,815,811; 5,821,519; 5,821,520; 5,823,812; 5,828,050;
5,848,064; 5,850,078; 5,861,615; 5,874,720; 5,875,415; 5,900,617; 5,902,989; 5,907,146;
5,912,450; 5,914,478; 5,917,173; 5,920,059; 5,923,025; 5,929,420; 5,945,658; 5,945,659;
5,946,194; 5,959,285; 6,002,918; 6,021,947; 6,029,894; 6,031,830; 6,036,098; 6,047,892;
6,050,491; 6,053,413; 6,056,200; 6,065,678; 6,067,297; 6,082,621; 6,084,528; 6,088,482;
6,092,725; 6,101,483; 6,102,293; 6,104,620; 6,114,712; 6,115,678; 6,119,944; 6,123,265;
6,131,814; 6,138,180; 6,142,379; 6,172,478; 6,176,428; 6,178,426; 6,186,400; 6,188,681;
6,209,788; 6,209,789; 6,216,951; 6,220,514; 6,243,447; 6,244,513; 6,247,647; 6,308,061;
6,250,551; 6,295,031; 6,308,061; 6,308,892; 6,321,990; 6,328,213; 6,330,244; 6,336,587;
6,340,114; 6,340,115; 6,340,119; 6,348,773; 6,380,949; 6,394,355; D305,885; D341,584;
D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124; D391,250;
D405,077; D406,581; D414,171; D414,172; D418,500; D419,548; D423,468; D424,035;
D430,158; D430,159; D431,562; D436,104.

Invention No. 55,358; 62,539; 69,060; 69,187, NI-068564 (Taiwan); No. 1,601,796; 1,907,875;
1,955,269 (Japan); European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832; France
81/03938; Italy 1,138,713
rev. 06/02

Introduction

Congratulations on your purchase of Symbol Technologies' SPT 1800 Series Terminal! The unique combination of capabilities offered by this product makes it superior for use in a wide range of applications:

- Personal Information Management software
- RF communication via Symbol's Spectrum24[®] wireless network (SPT 184X)
- Pocket size
- Printing support
- 1-D scanning capability
- Multi-language operating system.

The Palm 4.1 operating system is available in English, French, Italian, German and Spanish. Go to <http://devzone.symbol.com> to download the multi-language ROM image.

About This Guide

This guide covers the procedures for the setup and use of the terminal. Specific topics covered include:

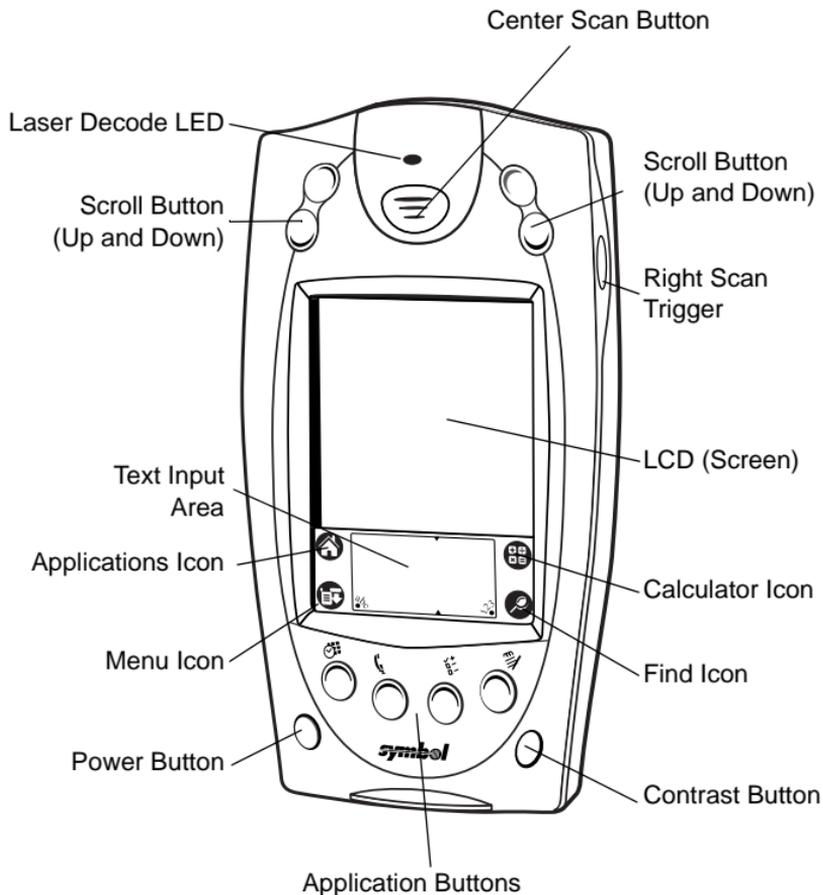
- *Parts of the SPT 1800 on page 2*
- *Installing the Battery on page 5*
- *Starting the SPT 1800 on page 8*
- *Using the SPT 1800 on page 9*
- *Writing with the Stylus on page 10*
- *Resetting the SPT 1800 on page 11*
- *Scanning 1-D Bar Codes on page 12*
- *Initiating a Network Connection on page 12*
- *Maintaining the SPT 1800 on page 12*
- *Troubleshooting on page 13.*

The *SPT 1800 Product Reference Guide*, available from www.symbol.com/manuals, details the applications available on the SPT 1800.

Parts of the SPT 1800

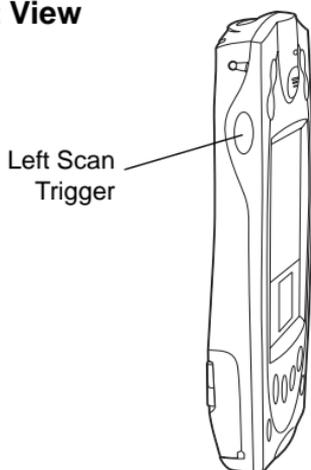
The following illustration indicates each part of the SPT 1800.

Front View

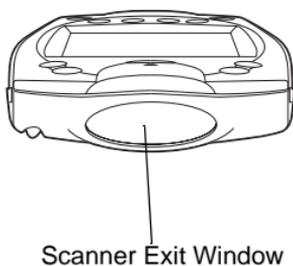


Parts of the SPT 1800 (continued)

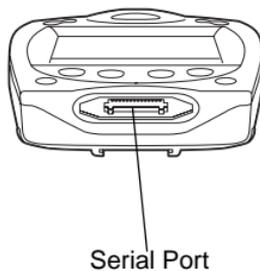
Left View



Top View

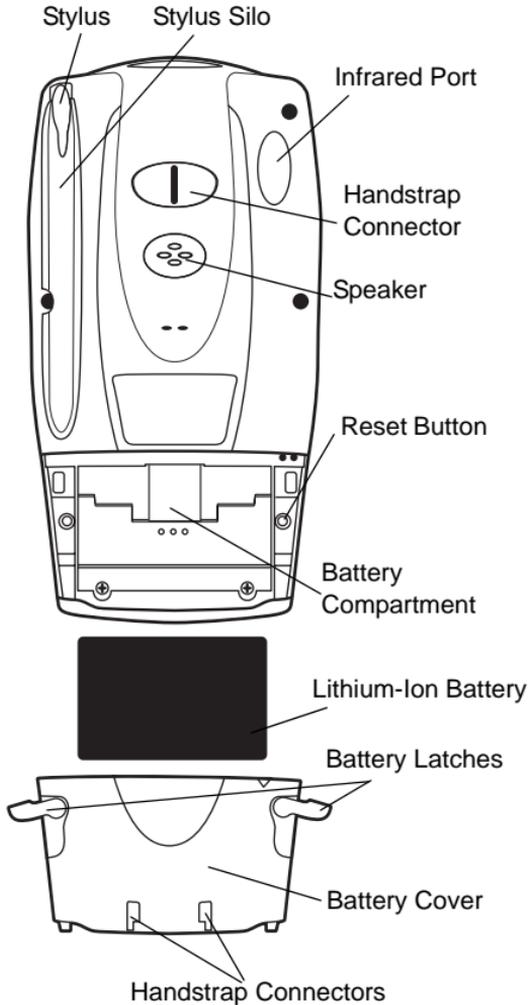


Bottom View



Parts of the SPT 1800 (continued)

Back View



Getting Started

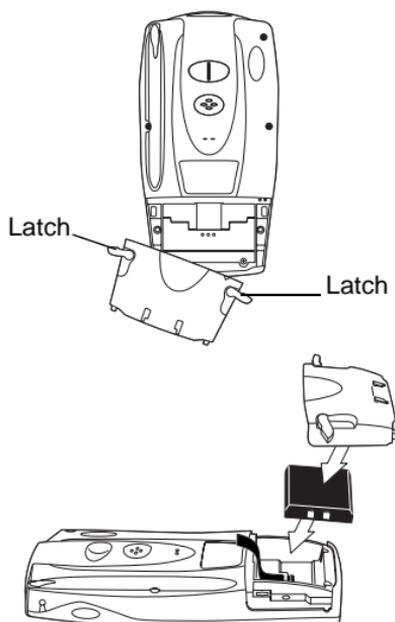
Before you can use your SPT 1800, perform the basic setup procedures:

- Install and charge the battery
- Start the SPT 1800
- Initiate the network connection (184X only).

Installing the Battery

1. Open the latches on the battery cover and lift it away from the SPT 1800.
2. Insert the lithium-ion (Li-ion) battery into the battery compartment, ensuring that it snaps into place.
3. Replace the battery cover and close the latches.

Note: Keep the battery latches completely open while securing the battery cover.



Charging the Battery

Note: Use 1700 mAh Lithium-ion battery (p/n 21-58236-01).

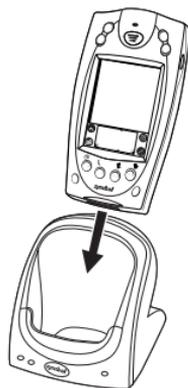
Before using your SPT 1800 for the first time, charge the battery using the cradle, the Synchronization/Charging Cable or the Universal Battery Charger (UBC). For instructions on using the UBC, see the *UBC Quick Reference Guide*.

Caution: The main battery charges the backup battery in the SPT 1800. Once the battery is fully charged, do not remove it from the SPT 1800 for 24 hours. During this period, the SPT 1800 cannot maintain any user data if the battery is removed from the terminal.

Using the Cradle to Charge the Battery

1. Ensure the battery is installed in the terminal.
2. Plug the cradle into a wall outlet.
3. Insert the SPT 1800 into the cradle.

The terminal's battery is fully charged after approximately two hours. You can also charge a spare battery by inserting it into the spare battery charging slot on the back of the single slot cradle. The spare battery fully charges in approximately two hours. See the *CRD 1800 Cradle Quick Reference Guide* for more information.



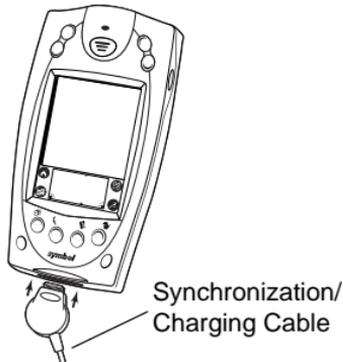
Note: When the battery is fully charged, the cradle's charging LED lights green. The CRD1700-1000S Single Slot Serial Cradle and CRD1700-1000M Modem Cradle are designed for use with the SPT 1700 Series terminals only. Please ensure that you are using the correct cradle with the correct terminal.

Using the Synchronization/Charging Cable to Charge the Battery

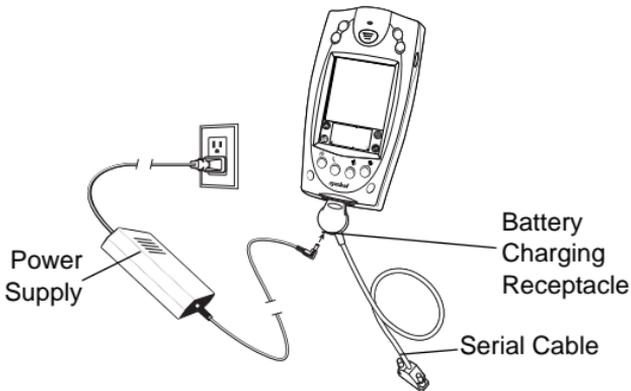
1. Ensure the battery is installed in the terminal.

Q u i c k R e f e r e n c e

2. Insert the cable into the bottom of the terminal.



3. Plug the power cable into a wall outlet and plug the other end into the battery charging receptacle on the side of the Synchronization/Charging Cable.



The battery is fully charged after approximately two hours.

Starting the SPT 1800

Press the red power button to power on the terminal. If the terminal does not power on, perform a hard reset. See [Performing a Hard Reset on page 11](#).

Calibrating the Screen

The first time you start your SPT 1800, the Welcome utility appears. Follow the steps to align the internal circuitry of your SPT 1800 with its touch-sensitive screen, and to set the current time and date.

Note: If your SPT 1800 unit came pre-loaded with a custom software application, you may not need to calibrate your screen, in which case you will not see the Welcome utility.

1. Press the power button on the front panel of your SPT 1800 to display the Welcome utility (This also displays following a hard reset).

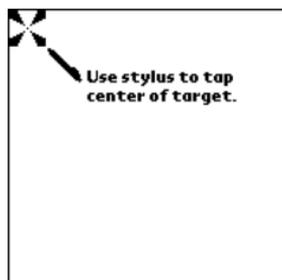


Note: If necessary, adjust the contrast control on the SPT 1800 so the screen is clear and readable. See [Contrast Control on page 9](#) for instructions.

2. Follow the instructions on the screen.

3. Tap the exact center of each target that appears on the screen with the tip of the stylus.

If, at any time you need to recalibrate the screen, open the *Preferences* application, tap *General* on the top right corner of the screen and select the *digitizer* option from the pull down menu.



Using the SPT 1800

Power Button/Backlight Control

The power button turns the SPT 1800 on and off. This button also serves as your backlight control for low-light conditions. When the SPT 1800 is on, press and hold the power button for approximately two seconds to turn the backlight on and off.

Contrast Control

The contrast control button is located on the lower right-hand side of the SPT 1800.



1. Press the contrast control button to display the contrast adjusting bar on the screen.
2. Using your stylus, adjust the contrast by scrolling the contrast bar until the contrast is set to the desired level, or use either of the scroll buttons on the top of the terminal to adjust the contrast level.
3. Press the contrast control button or tap Done on the screen to turn off the contrast control.



Writing with the Stylus

Your SPT 1800 includes handwriting software for entering text and numbers. It translates stylus strokes into letters or numbers. See the *SPT 1800 Product Reference Guide* for more information.

On-screen Keyboard

You can activate the on-screen keyboard any time you need to enter text or numbers on your SPT 1800.

1. Open any application.
2. Tap any record name, or tap the *New* button with the tip of the stylus.
3. Tap the left target to open the Alpha keyboard, or tap the right target to open the Numeric keyboard.



Tap here for letters
keyboard

Tap here for numbers
keyboard

Icon Descriptions

	Applications Icon	Exits the current application and lists available applications for selection.
	Calculator Icon	Displays the calculator application.
	Menu Icon	Tap from within an application to display the options menu for the application.
	Find Icon	Tap from within an application to enter search criteria to find an entry.

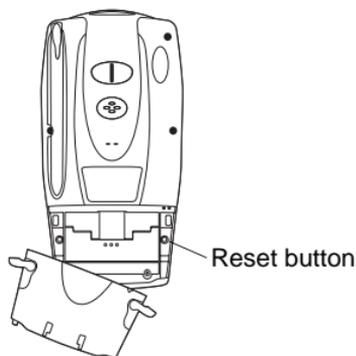
Resetting the SPT 1800

If your SPT 1800 stops responding to input, you may need to perform a reset.

Performing a Soft Reset

A soft reset restarts the SPT 1800 and saves all records and entries stored in your SPT 1800 terminal. After a soft reset, the Palm powered™ screen appears followed by the General Preferences screen.

To perform a soft reset, remove the battery cover and gently press the reset button located under the battery cover.



Performing a Hard Reset

A hard reset also restarts your terminal, but erases all records and entries stored in your SPT 1800. *Therefore, never perform a hard reset unless a soft reset does not solve your problem.*

Note: You can restore any data previously synchronized with your computer during the next HotSync operation.

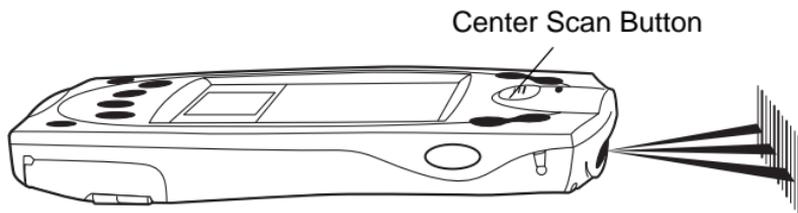
1. Remove the battery cover.
2. Hold down the power button on the front of the SPT 1800, and gently press the reset button.
3. Release the reset button, then release the power button when the Palm powered logo appears.
4. When a message appears on the screen warning that you are about to erase all data, do one of the following:
 - a. Press the upper half of a scroll button to complete the hard reset.
 - b. Press any other button to perform a soft reset.

Note: With a hard reset, the current date and time are retained. Formats, preferences and other settings are restored to their factory default settings.

Scanning 1-D Bar Codes

The SPT 1800 has an integrated laser bar code scanner which allows you to collect data by scanning bar codes if your unit is configured with a scanning application. To scan bar codes:

1. Start your scanning application.
2. Aim the scanner at a bar code.
3. Press either the right, left or center scan trigger. Make sure the red scan beam covers the entire bar code. The green scan LED lights and a beep sounds to indicate a successful decode.



Initiating a Network Connection

Before using the terminal, set up the Spectrum24 network connection. Refer to the *SPT 1800 Series Product Reference Guide* for setup instructions.

Maintaining the SPT 1800

For trouble-free service, observe the following tips when using your SPT 1800:

- Do not scratch the screen. Use the supplied stylus or a plastic-tipped pen intended for use with a touch-sensitive screen. Never use a pen or pencil or other sharp object on the screen.

Q u i c k R e f e r e n c e

- Although your SPT 1800 is water and dust resistant, do not expose it to rain or moisture for an extended period. Treat your SPT 1800 as you would a pocket calculator or other small electronic instrument.
- The touch-sensitive screen of your SPT 1800 contains glass. Do not subject your SPT 1800 to any strong impact.
- Protect your SPT 1800 from temperature extremes. Do not leave it on the dashboard of a car on a hot day, and keep it away from heaters and other heat sources.
- Do not store or use your SPT 1800 in any location that is extremely dusty, damp or wet.
- If the surface of the SPT 1800 screen becomes soiled, clean it with a soft lens cloth moistened with a diluted window-cleaning solution.

Troubleshooting

Problem	Cause	Solution
SPT 1800 terminal does not turn on.	Contrast is set too light.	Adjust the contrast control.
	Battery is not fully charged.	Make sure the battery is fully charged and installed properly.
	Battery is defective.	Replace the battery. If your SPT 1800 terminal still does not operate, try a soft reset; see Resetting the SPT 1800 on page 11 .
Low battery warning after replacing the battery.	A normal condition.	The battery warning message may appear immediately after replacing the battery. In addition, if you check the battery gauge in the Applications Launcher <i>immediately</i> after replacing the battery, the gauge may start at "empty" and slowly rise to "full." This is normal. It takes a minute for the battery gauge to accurately show the condition of the battery.



Problem	Cause	Solution
No sound.	Sound setting is set to off in the <i>Preferences</i> section.	Check the Sound options in the General Preferences screen. If an option is set to off, there will be no sound. Tap the "off" setting to display a menu of options and tap the option you want.
SPT 1800 terminal turns itself off.	Terminal automatically turns itself off after a period of inactivity.	Your SPT 1800 is designed to turn itself off after a period of inactivity. This period can be set at thirty seconds, one minute, two minutes or three minutes. Check the "Auto-off after" setting in the General Preferences screen, and change the setting if you need a longer delay before the automatic shutoff feature activates. See the <i>SPT 1800 Product Reference Guide</i> for more information. Note: The terminal also turns itself off when the battery power is extremely low.
SPT 1800 doesn't recognize my handwriting.	You are not using the correct character strokes.	For your SPT 1800 to recognize handwriting input with the stylus, you need to use the correct character strokes. See the <i>SPT 1800 Product Reference Guide</i> for information about how to write character strokes.
	You are not writing character strokes in the correct area.	Make the character strokes in the text input area — not on the display part of the screen. Make sure you are writing the strokes for letters in the left-hand side, and the strokes for numbers in the right-hand side of the text input area.
Tapping the screen buttons or icons does not activate the corresponding feature.	Screen is out of calibration.	Recalibrate the digitizer. Choose Digitizer from the Preferences application pick list and follow the directions on the screen.
When I tap the Menu icon, nothing happens.	Application does not have menu item.	Not all applications or screens have menus. Try changing to a different application.

Q u i c k R e f e r e n c e

Problem	Cause	Solution
Beamed data does not transmit.	Terminals are too far apart or obstructed. File is locked.	Confirm that the SPT 1800 terminals are 5" apart, the receiver has its IrDA capability enabled and that the path between the two devices is clear of obstacles. Note: You cannot overwrite a .prc file via IrDA if it is locked.
When receiving beamed data an out of memory message appears.	Memory full.	Your SPT 1800 terminal requires at least twice the amount of memory available as the data you are receiving. For example, if you are receiving a 30K application, you must have at least 60K free.
SPT 1800 does not accept scan input.	Scan application not present.	Verify that the SPT 1800 is loaded with a scanning application. See your System Administrator.
	Bad bar code.	Check to be sure the bar code symbol is not defaced.
	Too far away from bar code.	Be sure you are within proper scanning range.
	Bar code type is not enabled.	Be sure the SPT 1800 is programmed to accept the type of bar code you are scanning.
	Beep is not enabled.	If you are expecting a beep on a good decode and don't hear one, check that the application is set to generate a beep on good decode.
	Battery is low.	If the scanner stops emitting a laser beam when you press the trigger, check your battery level. When the battery is low, the scanner shuts off before the terminal notifies you of the low battery condition. Note: If, after performing these checks, the scanner is still not reading symbols, contact your distributor or Symbol Technologies.

Ergonomic Recommendations

Caution: In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion



- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

Regulatory Information

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Any changes or modifications to Symbol Technologies equipment, not expressly approved by Symbol Technologies, could void the user's authority to operate the equipment.

Radio Modules

This device can contain the following approved radio modules. These modules are identified below:

- Symbol RLAN (11 Mbps DSSS) radio module, Type: LA4121*
- Symbol RLAN (2 Mbps FM) radio module, Type: LA3021.

* This device can incorporate the International Roaming feature (IEEE802.11d) which will ensure the product operates on the correct channels for the particular country of use.

Power Supply

Note: Use only a Symbol-approved power supply 50-14000-107 output rated 9Vdc and minimum 2A. The power supply is certified to EN60950 with SELV outputs.

Hinweis: Benutzen Sie nur eine Symbol Technologies genehmigt Stromversorgung 50-14000-107 in den Ausgabe: 9Vdc und minimum 2A. Die Stromversorgung ist bescheinigt nach EN60950 mit SELV Ausgaben.



Laser Devices

Symbol products using lasers comply with US 21CFR1040.10, and IEC825-1:1993, EN60825-1:1994+A11:1996. The laser classification is marked on one of the labels on the device.

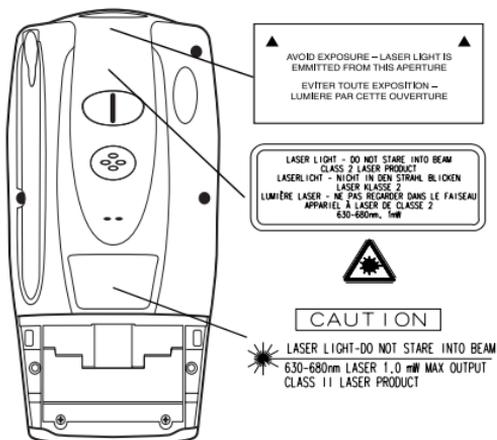
Class 1 Laser devices are not considered to be hazardous when used for their intended purpose. The following statement is required to comply with US and international regulations:

Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Q u i c k R e f e r e n c e

Class 2 laser scanners use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

Scanner Labeling



In accordance with Clause 5, IEC 0825 and EN60825, the following information is provided to the user:



ENGLISH CLASS 1 CLASS 2	CLASS 1 LASER PRODUCT LASER LIGHT DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT	HEBREW	מוצר לייזר רמה 1 אור לייזר אין להביט אל תוך הזרם מוצר לייזר רמה 2	רמה 1 רמה 2
DANISH KLASSE 1 KLASSE 2	KLASSE 1 LASERPRODUKT LASERLYF SE IKKE IND I STRÅLEN KLASSE 2 LASERPRODUKT	ITALIAN CLASSE 1 CLASSE 2	PRODOTTO AL LASER DI CLASSE 1 LUCE LASER NON FISSARE IL RAGGIOPRODOTTO AL LASER DI CLASSE 2	
DUTCH KLASSE 1 KLASSE 2	KLASSE-1 LASERPRODUKT LASERLICHT NIET IN STRAAL STAREN KLASSE-2 LASERPRODUKT	NORWEGIAN KLASSE 1 KLASSE 2	LASERPRODUKT, KLASSE 1 LASERLYS IKKE STIRR INN I LYSSTRÅLEN LASERPRODUKT, KLASSE 2	
FINNISH LUOKKA 1 LUOKKA 2	LUOKKA 1 LASERTUOTE LASERVALO ÄLÄ TUJOTÄ SÄDETTÄ LUOKKA 2 LASERTUOTE	PORTUGUESE CLASSE 1 CLASSE 2	PRODUTO LASER DA CLASSE 1 LUZ DE LASER NÃO FIXAR O RAIO LUMINOSO PRODUTO LASER DA CLASSE 2	
FRENCH CLASSE 1 CLASSE 2	PRODUIT LASER DE CLASSE 1 LUMIERE LASER NE PAS REGARDER LE RAYON FIXEMENT PRODUIT LASER DE CLASSE 2	SPANISH CLASSE 1 CLASSE 2	PRODUCTO LASER DE LA CLASE 1 LUZ LASER NO MIRE FIJAMENTE EL HAZ PRODUCTO LASER DE LA CLASE 2	


GERMAN
 KLASSE 1
 KLASSE 2

 LASERPRODUKT DER KLASSE 1
 LASERSTRAHLEN
 NICHT DIREKT IN DEN LASERSTRAHL SCHAUEN
 LASERPRODUKT DER KLASSE 2

SWEDISH
 KLAS 1
 KLAS 2

 LASERPRODUKT KLAS 1
 LASERLJUS STIRRA INTE MOT STRÅLEN
 LASERPRODUKT KLAS 2


FCC RF Exposure Guidelines

Safety Information

This device complies with internationally recognized standards covering Specific Absorption Rate (SAR) related to human exposure to electromagnetic fields from radio devices.

Reducing RF Influence - Use Properly

It is advisable to use the device only in the normal operating position and it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Handheld Devices

This device was tested for typical body-worn operation. A minimum separation distance of 1 cm must be maintained between this device and the body. The use of third-party belt-clips, holsters, and similar accessories should not contain metallic components in its assembly. The use of these accessories that do not satisfy these requirements may not comply with FCC RF exposure compliance requirements, and should be avoided.

Radio Frequency Interference Requirements



Note: 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/TV technician for help.

Radio Transmitters (Part 15)

This device complies with FCC Part 15. 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.

Radio Frequency Interference Requirements - Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio Transmitters

This device complies with RSS 210 of Industry & Science Canada. 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.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.



CE Marking and European Economic Area (EEA)

RLANs (2.4 GHz) for use through the EEA have the follow restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 - 2.4835 GHz
- France, equipment is restricted to 2.4465 - 2.4835 GHz frequency range.
- Belgium outside usage, the equipment is restricted to 2.460-2.4825 GHz frequency range.
- Italy requires a user license for outside usage.

Statement of Compliance

Symbol Technologies, Inc., hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC, 89/336/EEC and 73/23/EEC. Declaration of Conformities may be obtained from <http://www2.symbol.com/doc/>.

Other Countries

- Mexico - Restrict Frequency Range to: 2.450 - 2.4835 GHz.
- Israel - Restrict Frequency Range to: 2.418 - 2.457 GHz.
- Sri Lanka - Restrict Frequency Range to: 2.400 - 2.430 GHz.

Battery Information

Symbol rechargeable battery packs are designed and constructed to the highest standards within the industry.

However, there are limitations to how long a battery can operate or be stored before needing replacement. Many factors affect the actual life cycle of a battery pack, such as heat, cold, harsh environmental conditions and severe drops.

When batteries are stored over six (6) months, some irreversible deterioration in overall battery quality may occur. Store batteries discharged in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts and electrolyte leakage. When storing batteries for one year or longer, they should be charged and discharged at least once a year. If an electrolyte leakage is observed, avoid any contact with affected area and properly dispose of the battery.

Replace the battery when a significant loss of run time is detected.

Standard warranty period for all Symbol batteries is 30 days, regardless if the battery was purchased separately or included as part of the mobile computer or bar code scanner.

For more information on Symbol batteries, please visit:
<http://mysymbolcare.symbol.com/battery/batbasics1.html>.

Warranty

(A) Warranty Symbol Technologies (hereafter "Seller") hardware Products are warranted against defects in workmanship and materials for a period of twelve (12) months from the date of shipment, unless otherwise provided by Seller in writing, provided the Product remains unmodified and is operated under normal and proper conditions. Warranty provisions and durations on software, integrated installed systems, Product modified or designed to meet specific customer specifications ("Custom Products"), remanufactured products, and reconditioned or upgraded products, shall be as provided in the applicable Product specification in effect at the time of purchase or in the accompanying software license.

(B) Spare Parts Spare parts (i.e. parts, components, or subassemblies sold by Seller for use in the service and maintenance of Products) are warranted against defects in workmanship and materials for a period of thirty (30) days from the date of shipment. Spare parts may be new or originate from returned units under the conditions set forth in subsection D below.

(C) Repair of Symbol-branded hardware For repairs on Symbol-branded hardware Products under this Agreement, including repairs covered by warranty, the repair services provided are warranted against defects in workmanship and materials on the repaired component of the Product for a period of thirty (30) days from the shipment date of the repaired Product, or until the end of the original warranty period, whichever is longer.

(D) Product Service Products may be serviced or manufactured with parts, components, or subassemblies that originate from returned products and that have been tested as meeting applicable specifications for equivalent new material and Products. The sole obligation of Seller for defective hardware Products is limited to repair or replacement (at Seller's option) on a "return to service depot" basis with prior Seller authorization. Customer is responsible for shipment to the Seller and assumes all costs and risks associated with this transportation; return shipment to the Customer will be at Seller's expense. Customer shall be responsible for return shipment charges for product returned where Seller determines there is no defect ("No Defect Found"), or for product returned that Seller determines is not eligible for warranty repair. No charge will be made to Buyer for replacement parts for warranty repairs. Seller is not responsible for any damage to or loss of any software programs, data or removable data storage media, or the restoration or reinstallation of any software programs or data other than the software, if any, installed by Seller during manufacture of the Product.

(E) Original Warranty Period Except for the warranty applying solely to the repaired component arising from a repair service as provided in Section C above, the aforementioned provisions do not extend the original warranty period of any Product that had either been repaired or replaced by Seller.

(F) Warranty Provisions The above warranty provisions shall not apply to any Product (i) which has been repaired, tampered with, altered or modified, except by Seller's authorized service personnel; (ii) in which the defects or damage to the Product result from normal wear and tear, misuse, negligence, improper storage, water or other liquids, battery leakage, use of parts or accessories not approved or supplied by Symbol, or failure to perform operator handling and scheduled maintenance instructions supplied by Seller; (iii) which has been subjected to unusual physical or electrical stress, abuse, or accident, or forces or exposure beyond normal use within the specified operational and environmental parameters set forth in the applicable Product specification; nor shall the above warranty provisions apply to any expendable or consumable items, such as batteries, supplied with the Product.

EXCEPT FOR THE WARRANTY OF TITLE AND THE EXPRESS WARRANTIES STATED ABOVE, SELLER DISCLAIMS ALL WARRANTIES ON PRODUCTS FURNISHED HEREUNDER INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. SOME STATES OR COUNTRIES DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, FOR SUCH PRODUCTS, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY.

The stated express warranties are in lieu of all obligations or liabilities on the part of Seller for damages, including but not limited to, special, indirect or consequential damages arising out of or in connection with the use or performance of the Product or service. Seller's liability for damages to Buyer or others resulting from the use of any Product or service furnished hereunder shall in no way exceed the purchase price of said Product or the fair market value of said service, except in instances of injury to persons or property.

Service Information

Before you use the unit, it must be configured to operate in your facility's network and run your applications.

If you have a problem running your unit or using your equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Symbol Support Center:

United States	1-800-653-5350 1-631-738-2400	Canada	905-629-7226
United Kingdom	0800 328 2424	Asia/Pacific	+65-6796-9600
Australia	1-800-672-906	Austria/Österreich	1-505-5794-0
Denmark/Danmark	7020-1718	Finland/Suomi	9 5407 580
France	01-40-96-52-21	Germany/Deutschland	6074-49020
Italy/Italia	2-484441	Mexico/México	5-520-1835
Netherlands/Nederland	315-271700	Norway/Norge	+47 2232 4375
South Africa	11-8095311	Spain/España	91 324 40 00 Inside Spain
Sweden/Sverige	84452900		+34 91 324 40 00 Outside Spain
Latin America Sales Support	1-800-347-0178 Inside US +1-954-255-2610 Outside US		
Europe/Mid-East Distributor Operations	Contact local distributor or call +44 118 945 7360		

For the latest version of this guide go to: <http://www.symbol.com/manuals>.



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