



LS 5700/LS 5800

*Quick Reference • Guide utilisateur • Kurzübersicht  
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**Quick Reference**

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See [page 24](#) for patent information.

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#### **FCC Information**

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. This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## **Quick Reference**

## Purpose

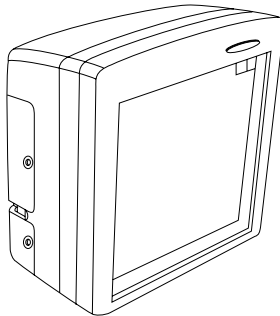
This Quick Reference Guide is designed to assist you during routine LS 5700/LS 5800 operation. Detailed information about unpacking, installation, performance specifications, and troubleshooting can be found in the *LS 5700/LS 5800 Product Reference Guide*.

## Product Description

The LS 5700 and LS 5800 high performance omni-directional laser scanners read bar codes quickly and accurately with a minimum of effort. Electrical Article Surveillance (EAS) compatibility which allows simultaneous bar code reads and radio frequency tag deactivation is offered as an option. Except for mounting orientation and installation, both scanners are similar in most other areas. Unless otherwise noted, this guide will apply equally to the LS 5700 and LS 5800.

### LS 5700

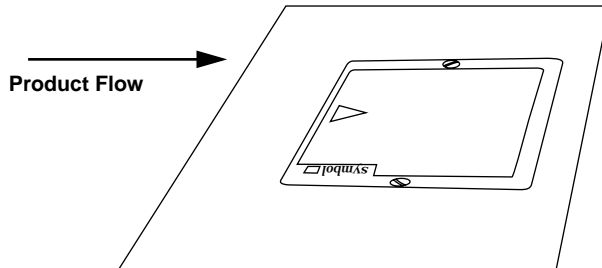
The LS 5700 is designed to rest on top of the counter.



**Quick Reference**

## LS 5800

The LS 5800 mounts in the counter with the face of the scanner flush with the counter top. The LS 5800 is available with a stainless steel top cover and scratch-proof scan window option. It is well suited for the most demanding applications, where hard goods such as bottles and cans are dragged across the scanner.



**Quick Reference**

## Operating the LS 5700/LS 5800 Scanner

### Turning On

The LS 5700/LS 5800 does not have an on/off switch. As soon as you plug it in, it's ready to scan.

### Indicator Lights

Notice the red and green indicator lights inside the scan window. They provide you with information about the scanner's operation. Here's what you can expect to see:

- Green light on, red light off - The scanner is on, waiting to decode a symbol.
- Green light off briefly - A bar code has been successfully decoded. You will also hear a beep from the scanner to confirm this.
- Green light on, red light on - The scanner is asleep. See *Rest/Sleep Mode*, on page 8.
- Anything else - Including steady red light, blinking red light, or blinking green light. The scanner is not operating normally. Contact the technical person in charge of scanning at your location, or call the *Symbol Support Center* at the telephone number on page 8.

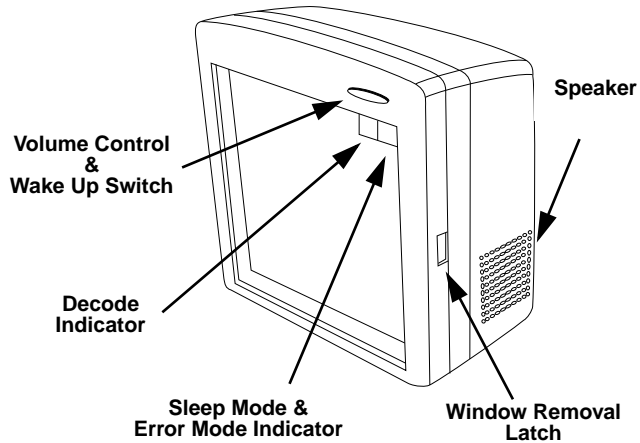
**Quick Reference**

## Controls

The LS 5700 has a push button near the top right corner. This push button is to both adjust the volume and tone of the beeper, and to wake the scanner from its rest or sleep mode.

When the scanner is operating, depress this button to adjust the volume/tone. Hold down the button until the desired sound is obtained. There are five distinct volume/tone combinations. Each combination beeps two times before cycling to the next sound.

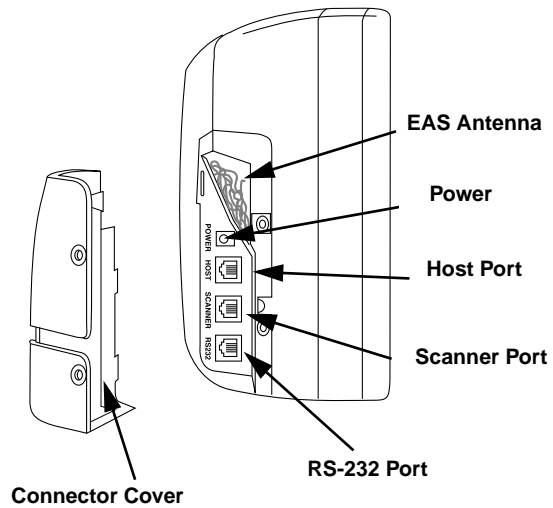
If the scanner is in a rest or sleep mode, depressing this push button briefly awakens the scanner.



## Quick Reference

## Connectors

Removing the connector cover allows access to the scanner's connectors.



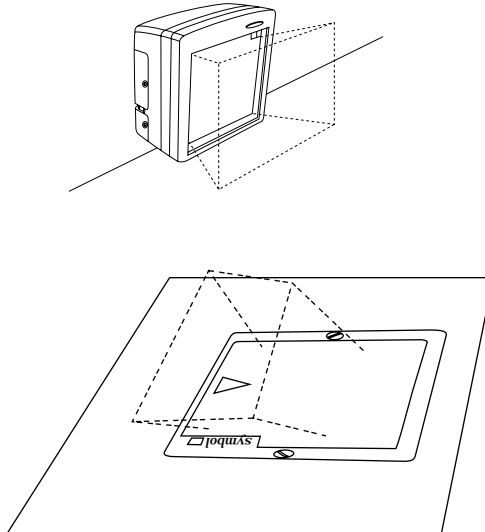
**Quick Reference**

## Operating the LS 5700 /LS 5800 Scanner Programming

Generally, the technical person in charge of scanning customizes the scanner for your particular application using programming bar codes found in the *LS 5700/LS 5800 Product Reference Guide*. If you are programming the scanner yourself, consult the *Product Reference Guide* for more information.

### Scanning a Bar Code

The dotted areas below represent the active scan area.

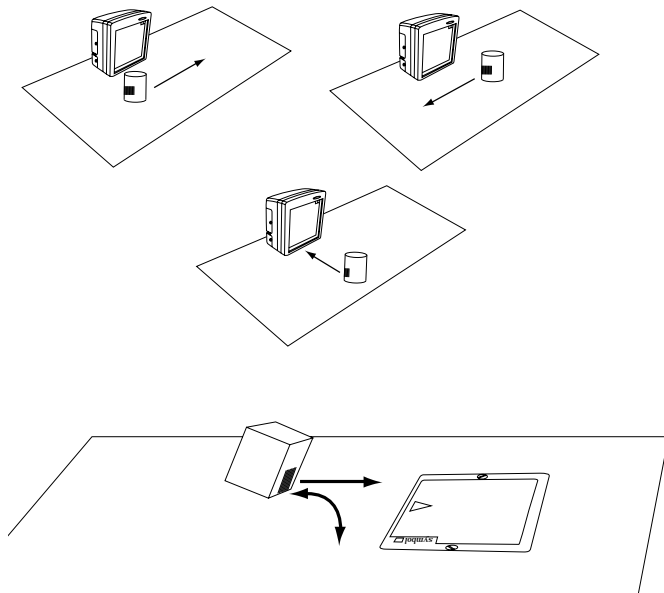


**Quick Reference**



## Scanning a Bar Code

For the best scanning performance, the counter top or surface area covered by the active scan area should be free of any designs (e.g. stripes or patterns). Ideally, that area should be a light solid color. To scan a bar code, move an item through the active scan area in the direction of the arrows, with the bar code label facing the scan window. The scanner beeps when a bar code has been decoded successfully.



**Quick Reference**

## Rest/Sleep Mode

If there is no scanning activity for a specified period of time, the scanner enters a rest or reduced power mode. The default is 30 minutes. You can change this period of time by scanning the appropriate bar code in the *Product Reference Guide*. This mode saves power and extends the life of the scanner. The LS 5700/LS 5800 automatically awakens as soon as you pass a bar coded item past the scan window.

The LS 5700 also has a programmable shut-down sleep option that turns off the laser and the motor. The scanner can be awakened from this mode or the rest mode by momentarily depressing the push button on the top right corner. When you press this button, the scanner emits two beeps. The volume and tone settings remain unchanged.

## What If...

If the scanner is not operating according to your needs, contact the technical person in charge of scanning. If there is no one in charge of scanning, call the Symbol Support Center at

1-800-653-5350

## Quick Reference

## Maintenance

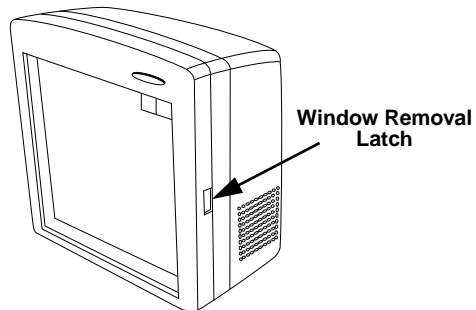
Cleaning the exit window is the only maintenance required. A dirty or scratched window may affect scanning activity.

- Remove any dirt particles with a damp cloth.
- Wipe the window with a tissue moistened with ammonia/water.

### LS 5700

To change or clean the exit window:

- Press window removal latch and rotate forward.



To Clean:

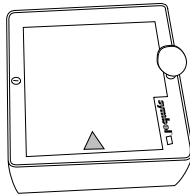
- Wipe clean the underside of the upper window.
- Wipe clean the top surface of the lower window.
- Re-install the window by snapping into place.

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## LS 5800

To change or clean the exit window:

- Insert a coin into the large screw heads on the front of the scanner and turn counter-clockwise.



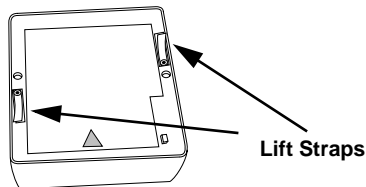
- Lift off the window.

To Clean:

- Wipe clean the underside of the upper window.
- Wipe clean the top surface of the lower window.
- Re-install the top cover by tightening the two large screws.

Removal from Counter:

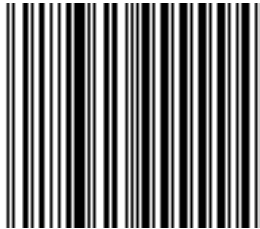
- Remove the window as described above.
- Lift unit out by the two lift straps.



## Quick Reference

## Test

To confirm that your scanner is working properly, scan the UPC-A bar code below.



1234599999

**Quick Reference**

## Some Helpful Bar Codes

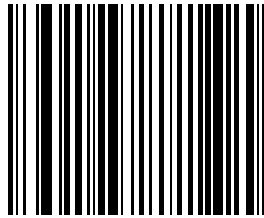
You can adjust the volume and the frequency (tone) of the scanner's beeper by scanning the appropriate bar codes. Provided below and on the following pages are the bar codes you will need.

### Beeper Volume

Select the beeper volume that best suits your operation. Scanning these bar codes is the only way to change the volume on the LS 5800. To change the volume on the LS 5700, you can either scan one of the volume bar codes, or use the push button on the top right hand corner of the scanner.

**Quick Reference**

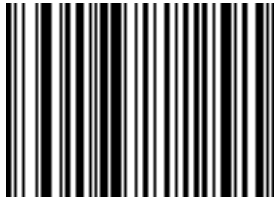
Beeper Volume



LOW VOLUME

**Quick Reference**

Beeper Volume

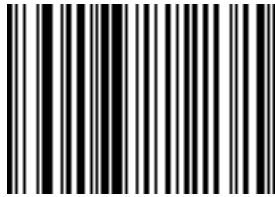


MEDIUM VOLUME

**Quick Reference**



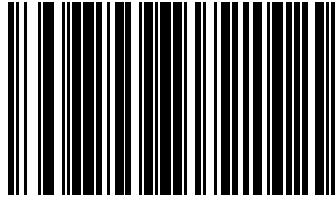
Beeper Volume



HIGH VOLUME

**Quick Reference**

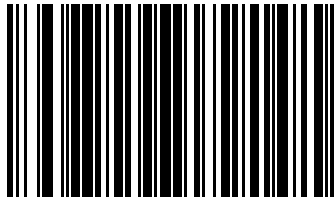
## Beeper Frequency



LOW FREQUENCY

**Quick Reference**

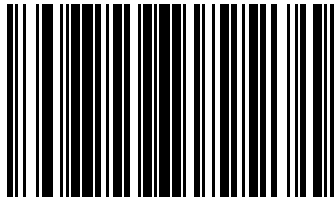
Beeper Frequency



MEDIUM FREQUENCY

**Quick Reference**

## Beeper Frequency

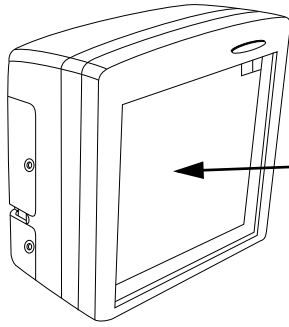


HIGH FREQUENCY

**Quick Reference**

# Regulatory Information

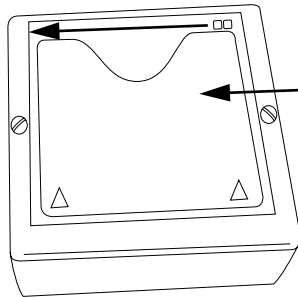
## Scanner Labeling



US CLASS IIa LASER PRODUCT  
AVOID LONG TERM VIEWING OF DIRECT LASER LIGHT

CAUTION - LASER LIGHT WHEN OPEN DO NOT STARE INTO BEAM	EC CLASS 1 LASER PRODUCT TIME BASIS: 1000S APPAREIL LASER DE CLASSE 1 BASE DE TEMPS: 1000S KLASSE 1 LASER GERATE ZEIT BASIS: 1000S	VORSICHT LASERSTRAHL WENN ABDECKUNG GEDEFFNET
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ATTENTION - LUMIERE LASER EN CAS DOUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.



US CLASS IIa LASER PRODUCT  
AVOID LONG TERM VIEWING OF DIRECT LASER LIGHT.

CAUTION - LASER LIGHT WHEN OPEN DO NOT STARE INTO BEAM	VORSICHT LASERSTRAHL WENN ABDECKUNG GEDEFFNET
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EC CLASS 1 LASER PRODUCT TIME BASIS: 1000S APPAREIL LASER DE CLASSE 1 BASE DE TEMPS: 1000S KLASSE 1 LASER GERATE ZEIT BASIS: 1000S
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ATTENTION - LUMIERE LASER EN CAS DOUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.

## Quick Reference

## Regulatory Information

### Radio Frequency Interference Requirements

This device must operate in compliance with Federal Communications Commission (FCC) Rules and Regulations Part 15.

This equipment has been tested and found to comply with the limits for Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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:

- Re-orient 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.

## Quick Reference

## Regulatory Information

### Class I

Symbol U.S. Federal (FDA)/IEC825/EN60825 Class 1 laser products use low power visible or IR lasers. Class 1 laser devices are not considered to be hazardous when used for their intended purpose. To comply with U. S. Federal and International regulations, the following statement is required.:

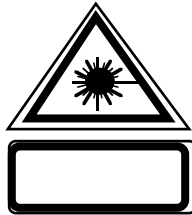
**CAUTION:** Use of controls, adjustments, or performance of procedures other than those specified herein may result in hazardous visible or invisible laser light exposure.

This advisory statement also applies to all other FDA/IEC825/EN60825 classes of laser products.

**Quick Reference**

## Regulatory Information

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



### ENGLISH

CLASS 1	CLASS 1 LASER PRODUCT
CLASS 2	LASER LIGHT
	DO NOT STARE INTO BEAM
	CLASS 2 LASER PRODUCT

### DANISH

KLASSE 1	KLASSE 1 LASERPRODUKT
KLASSE 2	LASERLYF
	SE IKKE IND I STRÅLEN
	KLASSE 2 LASERPRODUKT

### DUTCH

KLASSE 1	KLASSE-1 LASERPRODUKT
KLASSE 2	LASERLICHT
	NIET IN STRAAL STAREN
	KLASSE-2 LASERPRODUKT

### FINNISH

LUOKKA 1	LUOKKA 1 LASERTUOTE
LUOKKA 2	LASERVALO
	ÄLÄ TUJOTA SÄDETTÄ
	LUOKKA 2 LASERTUOTE

### FRENCH

CLASSE 1	PRODUIT LASER DE CLASSE 1
CLASSE 2	LUMIERE LASER
	NE PAS REGARDER LE RAYON FIXEMENT
	PRODUIT LASER DE CLASSE 2

## Quick Reference



## Regulatory Information

### GERMAN

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

### HEBREW

מוצר לייזר רמה 1 רמה 1  
 אור לייזר רמה 2  
 אין להביט אל תוך הזרם  
 מוצר לייזר רמה 2

### ITALIAN

CLASSE 1 PRODOTTO AL LASER DI CLASSE 1  
 CLASSE 2 LUCE LASER  
 NON FISSARE IL RAGGIOPRODOTTO AL LASER DI CLASSE 2

### NORWEGIAN

KLASSE 1 LASERPRODUKT, KLASSE 1  
 KLASSE 2 LASERLYS IKKE STIRR INN I LYSSTRÅLEN  
 LASERPRODUKT, KLASSE 2

### PORTUGUESE

CLASSE 1 PRODUTO LASER DA CLASSE 1  
 CLASSE 2 LUZ DE LASER NÃO FIXAR O RAIO LUMINOSO  
 PRODUTO LASER DA CLASSE 2

### SPANISH

CLASE 1 PRODUCTO LASER DE LA CLASE 1  
 CLASE 2 LUZ LASER  
 NO MIRE FIJAMENTE EL HAZ  
 PRODUCTO LASER DE LA CLASE 2

### SWEDISH

KLASS 1 LASERPRODUKT KLASS 1  
 KLASS 2 LASERLJUS STIRRA INTE MOT STRÅLEN  
 LASERPRODUKT KLASS 2

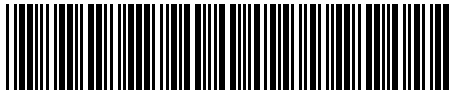
**Quick Reference**

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

U.S. Patent No. 4,360,798; 4,369,361; 4,387,297; 4,460,120; 4,496,831; 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095; 4,758,717; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281; 4,933,538; 4,992,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461; 5,113,445; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149; 5,180,904; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791; 5,250,792; 5,262,627; 5,280,163; 5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,321,246; 5,367,151; 5,373,148; 5,378,882; 5,377,361; 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; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,528,621; 5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,578,810; 5,589,680; D305,885; D341,584; D344,501; D359,483; D362,435; D363,700; D363,918; D370,478.

Invention No. 55,358; 62,539; 69,060; 69,187 (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.



**70-16691-02E**  
**Revision A - April 1997**