



LL 425

*Quick Reference • Guide utilisateur • Kurzübersicht
Guida rapida • Guía rapida • Quick Reference
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Quick Reference

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Patents

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; 5,130,520 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; 5,262,628; 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; 5,321,246; 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; 5,578,810; 5,581,070; 5,589,679; 5,589,680; 5,608,202; 5,612,531; 5,619,028; 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; 5,745,794; 5,754,587; 5,658,383; D305,885; D341,584; D344,501; D359,483; D362,453; D362,435; D363,700; D363,918; D370,478; D383,124; D391,250.

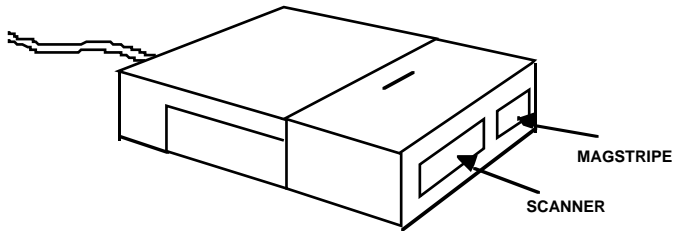
Invention No. 55,358; 62,539; 69,060; 69,187 (Taiwan); No. 1,601,796; 1,907,875; 1,955,269 (Japan).

European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832; France 81/03938; Italy 1,138,713.

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Quick Reference

Set Up



Connect the appropriate input devices. See the LL 425 *User's Guide*.

Connect the appropriate interface cable assembly. See the LL 425 *Interface Guide* for more information.

When the host can provide sufficient power for the LL 425 and a 5V scanner, the interface cable assembly is set up at the factory with a Power Selection Plug installed. To power the LL 425 (and connected devices) from an external power supply, remove the Power Selection Plug and connect a power supply. The Scanner Port is set at the factory for 5V on the I000A model, and 12V on the I000B. To change this setting, refer to the LL 425 *User's Guide*.

Quick Reference

Programmable Parameters and Defaults

Parameter	Default
Code Types	All
Code Lengths	
Code 39	1 to 55
Code 128	3 to 55
Codabar	2 to 55
I 2 of 5	14
D 2 of 5	14
MSI Plessey	1 to 55
Decode Options	
Transmit UPC-A Check Digit	Enabled
Transmit UPC-E Check Digit	Enabled
MSI Plessey Check Digit	1 Digit
Decode UPC/EAN Supp.	Disabled
Convert UPC-E to UPC-A	Disabled
EAN Zero Extend	Disabled
Buffer Code 39	Disabled
Xmit Code 39 Check Digit*	Disabled
Beep After Good Decode	Enabled
Beeper Volume	High
UPC-A Preamble	System Character
UPC-E Preamble	System Character
Pause Duration	0

Quick Reference

Programmable Parameters and Defaults

Parameter	Default
Prefix/Suffix Values	7013 (<Enter> for serial devices)
Scan Data Xmission Format	Data as is
Magstripe Data Xmission Format	Data as is
Laser Control	
Trigger Mode	Level
Laser On Time-out	1 Sec
Laser Off Time-out	1 Sec
RS-232C Single Port	
Baud Rate	9600
Parity	Even
Check Parity	Enabled
Hardware Handshaking	None
Software Handshaking	None
Serial Response Time-out	2.0 Sec
Stop Bit Select	Two
7 or 8-Bit ASCII Data Format	7 Bit
Intercharacter Delay	0
Transmit Code ID Character	Disabled
Ignore Unknown Characters	Disabled
NCR 2152 Fast Transmit	Disabled
IBM 4683/4 Magstripe Comm	Enabled

Quick Reference

Host Selection

Each Interface Cable Assembly will default the LL 425 to a given host. Below is a list of the assemblies and their corresponding default hosts. If your host type is not listed below, you must select it by scanning the appropriate bar code beginning on page 10.

Cable Assembly	Default
IK-010X	IBM 4683 Port 5B
IK-0200	IBM 3683 48-Key Calc
IK-0300	IBM 3653 Kybd Wedge
IK-040X	IBM PC/AT Kybd Wedge
IK-0500	NCR 2152 Tel Kybd Wedge
IK-0600	NCR 2151 Tel Kybd Wedge
IK-0700	NCR 280 Kybd Wedge
IK-080X	Standard RS-232C
IK-090X	Fujitsu OCR
IK-100X	NCR "F" OCIA
IK-1100	IBM 4683, Port 9B

Quick Reference

Customizing the Data

If you want to append an ENTER (CR) to all data, scan the five bar codes below, starting at the top and working down. When you do this, all previously stored ADF rules will be deleted.

ERASE ALL RULES



ANY SOURCE



SEND ALL DATA



SEND ENTER



SAVE RULE



Quick Reference

What Does The Beep Mean?

When you hear 1 beep (short high tone) it means data has been decoded successfully. If any other beeps are heard, contact the technical person in charge of scanning.

What If..

Nothing happens when you follow the operating instructions.

- Refer to the WHAT IF... table on the next page.
- Find the symptom and check the items marked with an "x".

If, after performing these checks the symbol still does not scan, contact the technical person in charge of scanning.

Quick Reference

What If...

If	No Power Up	No Transmit	Wrong Data or Garbled	Scanner Inoperative	Magstripe Inoperative
Check					
Proper Cable		X	X		
Position of J4				X	
Correct Terminal Type Programmed?		X			
Power to Host System?	X	X			
Cable Connected To Host?	X	X			
Power Selection Plug Inserted?	X			X	X
Power Supply Plugged In?	X			X	X

Quick Reference

Host Types

**IBM PC/AT and Clones
Fujitsu 9000
IBM PS2/50/55SX/60/70/80**



IBM PS2/30 Wedge



**IBM PC/XT Wedge
and Clones**



**IBM 4683/4684
Port 5B**



**IBM 4683/4684
Port 9B**



**IBM 4683/4684
Port 17**



Quick Reference

Host Types

**IBM 3683/3684
35-Key Calc Wedge**



**IBM 3683/3684
48-Key CalcWedge**



**IBM 3683/3684
116-Key CalcWedge**



**IBM 3683/3684
35-Key Tel Wedge**



**IBM 3683/3684
48-Key Calc Wedge**



**IBM 3683/3684
116-Key Calc Wedge**



Quick Reference

Host Types

**NCR 2151 Tel
Wedge**



**NCR 2151 Calc
Wedge**



**NCR 2152 Tel
Wedge**



**NCR 2152 Calc
Wedge**



**NCR 7052
Wedge**



Quick Reference

Host Types

Fujitsu 7770/7880
7990/8770/9000
OCR



IBM 3653/3683/3684/5365
OCR



NCR 255/1255/2152/2154
2155/2126-1120/2126-1320
2157/2257/7000/7050/7051
7052 "S" OCIA



NCR 2950 "S"
OCIA



NCR 7052 "F"
OCIA



Nixdorf 8812
OCIA



Quick Reference

Host Types

ICL 9518/9520 OCIA



Standard RS-232C



ICL RS-232C



Nixdorf RS-232C



Quick Reference

Regulatory Information

Radio Frequency Interference Requirements

This device has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the Federal Communications Commissions Rules and Regulation. 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 the 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 which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radio Frequency Interference Requirements - Canada

This Class A digital apparatus meets the 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.

Service Information

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

If you have a problem with running your terminal 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:

1-800-653-5350

Outside North America, contact your local Symbol representative.

Quick Reference

Warranty

Symbol Technologies, Inc. ("Symbol") manufactures its hardware products in accordance with industry-standard practices. Symbol warrants that for a period of twelve (12) months from date of shipment, products will be free from defects in materials and workmanship.

This warranty is provided to the original owner only and is not transferable to any third party. It shall not apply to any product (i) which has been repaired or altered unless done or approved by Symbol, (ii) which has not been maintained in accordance with any operating or handling instructions supplied by Symbol, (iii) which has been subjected to unusual physical or electrical stress, misuse, abuse, power shortage, negligence or accident or (iv) which has been used other than in accordance with the product operating and handling instructions. Preventive maintenance is the responsibility of customer and is not covered under this warranty.

Wear items and accessories having a Symbol serial number, will carry a 90-day limited warranty. Non-serialized items will carry a 30-day limited warranty.

Warranty Coverage and Procedure

During the warranty period, Symbol will repair or replace defective products returned to Symbol's manufacturing plant in the US. For warranty service in North America, call the Symbol Support Center at 1-800-653-5350. International customers should contact the local Symbol office or support center. If warranty service is required, Symbol will issue a Return Material Authorization Number. Products must be shipped in the original or comparable packaging, shipping and insurance charges prepaid. Symbol will ship the repaired or replacement product freight and insurance prepaid in North America. Shipments from the US or other locations will be made F.O.B. Symbol's manufacturing plant.

Symbol will use new or refurbished parts at its discretion and will own all parts removed from repaired products. Customer will pay for the replacement product in case it does not return the replaced product to Symbol within 3 days of receipt of the replacement product. The process for return and customer's charges will be in accordance with Symbol's Exchange Policy in effect at the time of the exchange.

Customer accepts full responsibility for its software and data including the appropriate backup thereof.

Repair or replacement of a product during warranty will not extend the original warranty term. Symbol's Customer Service organization offers an array of service plans, such as on-site, depot, or phone support, that can be implemented to meet customer's special operational requirements and are available at a substantial discount during warranty period.

General

Except for the warranties stated above, Symbol disclaims all warranties, express or implied, on products furnished hereunder, including without limitation implied warranties of merchantability and fitness for a particular purpose. The stated express warranties are in lieu of all obligations or liabilities on part of Symbol for damages, including without limitation, special, indirect, or consequential damages arising out of or in connection with the use or performance of the product.

Seller's liability for damages to buyer or others resulting from the use of any product, shall in no way exceed the purchase price of said product, except in instances of injury to persons or property.

Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the proceeding exclusion or limitation may not apply to you.



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