Magnetic Stripe Reader

symbol®
Quick Reference

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

Radio Frequency Interference Requirements

For a Class B Device:
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
instruction manual, may cause harmful interference to radio communications. 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 to which the receiver is
connected
• Consult the dealer or an experienced radio/TV technician for help.

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 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.

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.

Power Supply

Note: Use only a Symbol-approved power supply 50-14001-004 output rated 12Vdc and
minimum 8A. The power supply is certified to EN60950 with SELV outputs.
Magnetic Stripe Reader


CE Marking and European Union Compliance

Products intended for sale within the European Union are marked with the CE Mark which indicates compliance to applicable Directives and European Normes (EN), as follows. Amendments to these Directives or ENs are included:

Applicable Directives

- Low Voltage Directive 73/23/EEC.

Applicable Standards

- EN 55024:1998; Information Technology Equipment - Immunity characteristics - Limits and methods of measurement
- IEC 1000-4-2:1995; Electromagnetic compatibility (EMC); Part 4: Testing and measurement techniques; Section 4.2: Electrostatic discharge immunity test
- IEC 1000-4-3:1997; Electromagnetic Compatibility (EMC); Part 4: Testing and measurement techniques; Section 3. Radiated, radio frequency, electromagnetic field immunity test
- IEC 1000-4-4:1995; Electromagnetic compatibility (EMC); Part 4: Testing and measurement techniques; Section 4. Testing electrical fast transient/ Burst immunity
- IEC 1000-4-5:1995; Electromagnetic compatibility (EMC), Part 4: Testing and measurement techniques; Section 5: Surge Immunity
- IEC 1000-4-6:1996; Electromagnetic compatibility (EMC), Part 4: Testing and measurement techniques; Section 6: Immunity to conducted disturbances, induced by radio frequency fields
- IEC 1000-4-11:1994; Electromagnetic compatibility (EMC), Part 4: Testing and measurement techniques; Section 11: Voltage Dips, Short Interruptions, and Voltage Variations
- EN 60825 - Safety of Devices Containing Lasers.

RF Devices

Symbol’s RF products are designed to be compliant with the rules and regulations in the locations into which they are sold and will be labeled as required. The majority of Symbol’s RF devices are type approved and do not require the user to obtain license or authorization before using the equipment. Any changes or modifications to Symbol Technologies equipment not expressly approved by Symbol Technologies could void the user’s authority to operate the equipment.

The Spectrum24 equipment is intended for use throughout the European Economic Area, but its authorization for use in France is restricted as follows:

- **PAN European Frequency Range**: 2.400 - 2.4835 GHz, identified by -EU suffix to the model number found on the product label
- **France**: Restrict Frequency Range for use in France: 2.4465 - 2.4835 GHz, identified on [Product mmmm] by the -FR suffix to the model number found on the product label
Quick Reference

- **Belgium**: Operation in an outdoor environment in Belgium must be restricted to 2.460 - 2.4835 GHz band.
- **Italy**: Operation in Italy requires a user license.
- **Mexico**: Restrict Frequency Range for use in Mexico: 2.450 - 2.4835 GHz.
- **Chile**: Restricted Power Output for use in Chile: 50 mW.

Caution: Remote and Standalone Antenna Configurations: FCC RF Exposure Guidelines

To comply with FCC RF exposure requirements, antennas that are mounted externally at remote locations or operating near users at stand-alone desktop or similar configurations must operate with a minimum separation distance of 20 cm from all persons.
Magnetic Stripe Reader

DECLARATION OF CONFORMITY

We, Symbol Technologies, Inc.
of One Symbol Plaza, Holtsville, NY 11742-1300, USA

declare under our sole responsibility that the product(s)
Asterix III Magnetic Stripe Reader
Spectrum24HR, LA4121, Type II Radio Card

to which this declaration relates, is in conformity with the following standards and/or other normative documents.

ETS 300 328 (November 1996)
ETS 300 826 (November 1997)
EN 60950: 1992 Incl Amdt 1-4, 11

We hereby declare that all essential radio test suites have been carried out and that the above named product(s) is in conformity with all the essential requirements of Directive 1999/5/EC.
The conformity assessment procedure referred to in Article 10(5) and detailed in Annex IV of Directive 1999/5/EC has been followed with the involvement of the following Notified Body(ies):

BABT, Claremont House, 34 Molesey Road, Walton-on-Thames, KT12 4RQ

Identification mark: 0168 The equipment will also carry the Class 2 equipment identifier

The technical documentation relevant to the above equipment can be made available for inspection on application to:
Symbol Technologies EMEA, Symbol Place, Winnersh Triangle, Berkshire, RG 41 5TP, UK

Dornu Narnor
(name)
Director, Regulatory and Technical Sales
(title)

(signature of authorised person) 3, May 2000
(date)
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 preceding exclusion or limitation may not apply to you.
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:

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<th>Country</th>
<th>Phone Number</th>
<th>Country</th>
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<tbody>
<tr>
<td>United States</td>
<td>1-800-653-5350</td>
<td>Canada</td>
<td>905-629-7226</td>
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<td></td>
<td>1-631-738-2400</td>
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<td>United Kingdom</td>
<td>0800 328 2424</td>
<td>Asia/Pacific</td>
<td>337-6588</td>
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<td>South Africa</td>
<td>11-4405668</td>
<td>Spain/España</td>
<td>+913244000</td>
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<td>Sweden/Sverige</td>
<td>84452900</td>
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<tr>
<td>Latin America</td>
<td>1-800-347-0178 Inside US</td>
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<tr>
<td>Sales Support</td>
<td>+1-561-483-1275 Outside US</td>
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<tr>
<td>Europe/Mid-East</td>
<td>Contact local distributor or call</td>
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<tr>
<td>Distributor Operations</td>
<td>+44 208 945 7360</td>
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1 Customer support is available 24 hours a day, 7 days a week.

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