



BEETLE MSR Module

Swipe Card Reader

for BA7x

User Guide

Edition July 2001

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Contents

Manufacturer's Certification	1
FCC-Class A Declaration	1
Warranty	2
Recycling the MSR module	2
Before switching on the System	3
Unpacking and checking the System.....	3
 Swipe Card Reader (MSR Module)	 4
General.....	4
How to Operate.....	4
Cleaning Instructions	4
 Installation	 5
 Technical Data	 8

FCC-CLASS A DECLARATION

Manufacturer's Certification



The device complies with the requirements of the EEC directive 89/336/EEC with regard to 'Electromagnetic compatibility'.

Therefore, you will find the CE mark on the device or packaging.

The device is intended only for operation with Wincor Nixdorf approved flat screens.

FCC-Class A Declaration

This equipment has been tested and found to comply with the limits for a 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.

Le présent appareil numérique ne génère pas de bruits radioélectriques dépassant les limites applicable aux appareils numériques de la "Class A" prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

WARRANTY

Warranty

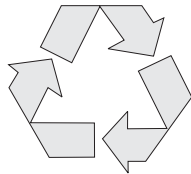
Wincor Nixdorf guarantees a limited warranty engagement for 12 months beginning with the date of delivery. This warranty engagement covers all those damages which occur despite a normal use of the product.

Damages because of

- Improper or insufficient maintenance,
- Improper use of the product or unauthorized modifications of the product,
- Inadequate location or surroundings

will not be covered by the warranty.

Recycling the MSR module



Environmental protection does not begin when it comes time to dispose of the swipe card reader; it begins with the manufacturer. This product was designed according to our internal norm "Environmental conscious product design and development"

The swipe card reader is manufactured without the use of CFCs und CCHS and is produced mainly from reusable components and materials.

The processed plastics can, for the most part, be recycled. Even the precious metals can be recovered, thus saving energy and costly raw materials.

Please do not stick labels onto plastic case parts. This would help us to re-use components and material.

At this time, there are still some parts that are not re-usable. Wincor Nixdorf guarantees the environmentally safe disposal of these parts in the Siemens Recycling Center, which is certified pursuant to ISO 9001.

So do not simply throw your swipe card reader on the scrap heap when it has served its time, but take advantage of the environmentally smart, up-to-date recycling methods!

BEFORE SWITCHING ON THE SYSTEM

Please contact your competent branch or the Recycling Center Paderborn (for European countries) for information on how to return and re-use devices and disposable materials under the following fax number:

Fax: +49 (0) 5251 8-26309

The center is always ready to answer any questions you may have about Wincor Nixdorf GmbH environmental protection policies. We look forward to your fax.

Before switching on the System

Unpacking and checking the System

Unpack the parts and check to see whether the delivery matches the information on the delivery note.

If damage has occurred during shipping or if the package contents do not match the delivery note, promptly inform your Wincor Nixdorf sales outlet.

Transport the device only in its original packaging (to protect it against impact and shock).

GENERAL

Swipe Card Reader (MSR Module)

General

The swipe card reader can read three ISO tracks simultaneously in one single swipe.

The MSR module is fitted on the right-hand side of the screen module. The connection is made via an MF2 interface.

There are 2 versions of the module: one version is intended for the displays BA70/BA71 and the other one for the displays BA72/BA73.

How to Operate

Run the swipe card through the slit of the swipe card reader from top to bottom in a quick and steady movement. Make sure that the magnetic strip is to the right.

When using swipe cards, the following should be observed:

- swipe cards should never be allowed to come into contact with liquids.
- swipe cards should not be bent or folded in any way.
- swipe cards should not be allowed to come into close contact with a magnetic field.



Swipe cards should only be inserted in the top of the specially designed slit of the reading device. If the card is inserted in another place, the reading head could be damaged.

Cleaning Instructions

In order to guarantee good reading results over a longer period of time, the swipe card reader should be cleaned once a week. This is carried out by using a special cleaning card that can be purchased from Wincor Nixdorf GmbH.

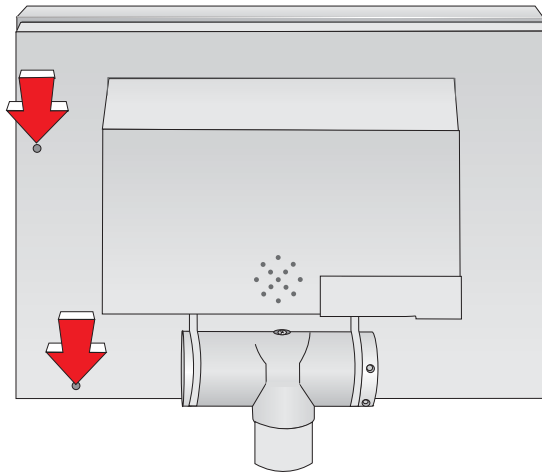
Clean the surface of the swipe card reader with a suitable commercially available surface cleaner.



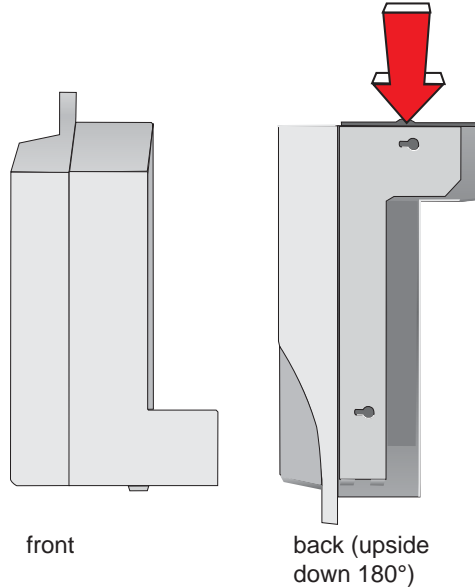
Make sure that the power plug is disconnected, connector cables are unplugged and that no liquid finds its way into the device.

INSTALLATION

Installation

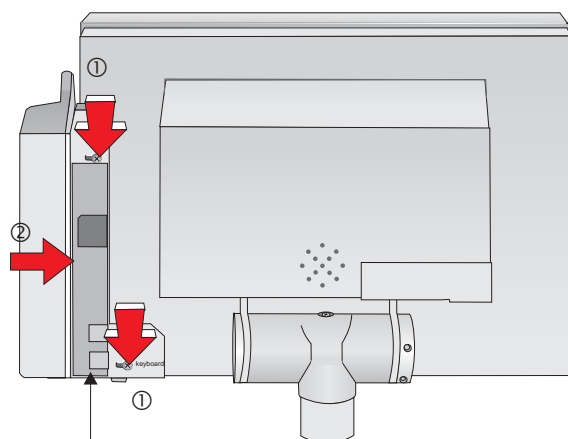


Insert the delivered screws (Phillips Head) into the positions marked by the arrows. Fasten the screws a little but do not screw them too tightly.



Use a screwdriver to take away the cover of the swipe card reader from the rest of the device.

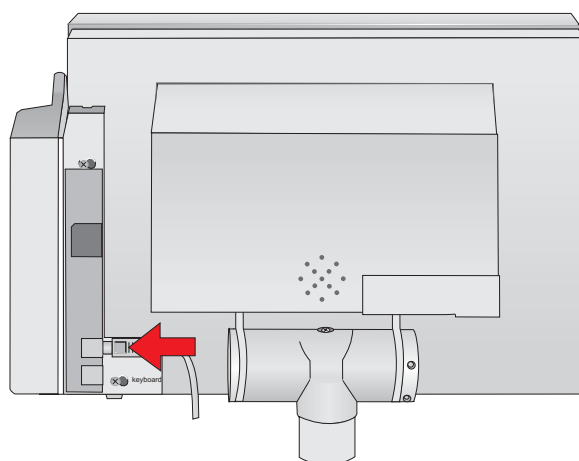
INSTALLATION



Then place the MSR with the openings (see arrows) on the screws ① and push it to the right ②. Tighten the screws.

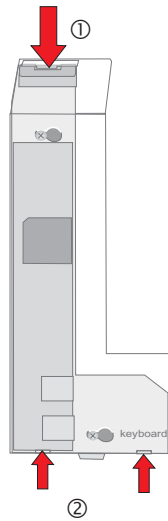


Do not touch the electronic board.

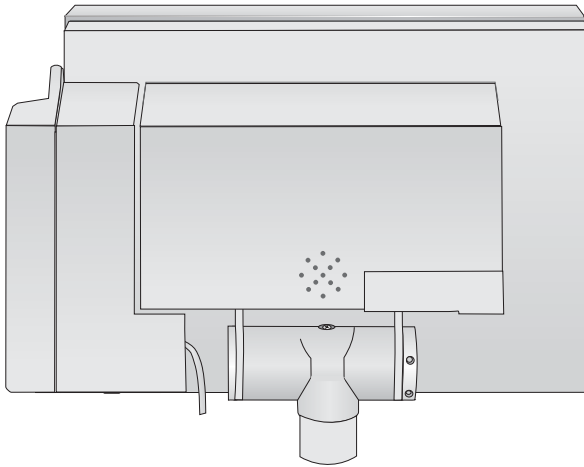


Connect the cable to the upper socket (see arrow). If a keyboard is to be connected, use the second connection below.

INSTALLATION



Now put the cover on. First hook it in at the top ① and then press the two engagements at the bottom ② until you hear two clicks.



The width of the covering is dependent of the display used (e.g. BA70/BA71, BA72/BA73).

Technical Data

Number of tracks	3
Swipe direction	vertical
Read speed	15 to 80 cm/sec.
Coding of swipe cards	according to ISO/IEC 7811-2
Connector	keyboard: 6 Pin Mini DIN
Operating Condition IEC721 3-3 Class 3K3	+5°C to 40°C (41°F to 104°F)
Storage Condition IEC721 3-1 Class 1K2	+5°C to 40°C (41°F to 104°F)
Transport Condition IEC721 3-2 Class 2K2	-25°C to 60°C (-13°F to 140°F)
Width	249 mm (9.80 inch)
Height	315 mm (12.6 inch)
Depth	53 mm (2.09 inch)
Weight	380 g

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