

Multimediaterminal SM2000light

Operating and Installation Instructions



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SM2000light

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Multimediaterminal **SM2000**light

Introduction

Foreword

The aim of these instructions is to help you install and operate the **SM2000**light. The information they contain have been carefully controlled but we accept no responsibility or liability for any damage resulting from the abuse or improper use of this documentation. The information provided in these instructions may be changed by MEDIA LINE Consulting without notice and therefore is not binding for MEDIA LINE Consulting.

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General Indications



The "Information" icon indicates a specific technology or information which could help you perform a task or better understand a process.



The "Attention!" icon indicates that a certain process may cause problems or may damage hardware, software or data.







The "Danger!" icon warns that a certain process will cause safety and health problems for people or damage hardware, software or data.

Indications concerning ESD components



This symbol indicates the ESD components (Electro Static Discharge).

In handling components marked with this symbol please follow these indications:

-  Before starting working with the ESD components, discharge any electrostatic charges you may have accumulated on your person.
-  Eliminate electrostatic charges from all necessary working tools.
-  Make sure that you have pulled out the power plug before inserting or removing ESD components.
-  Always touch the ESD components on their sides and avoid touching the electric contacts.

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Attention



Connection to the power mains should be in the immediate vicinity of the **SM2000light** and easily accessible.



The **SM2000light** model with CD-ROM drive is equipped with a Class 1 laser. Do not try to start the machine when it is open. Do not try to open the lid of the CD-ROM drive. The CD-ROM drive is maintenance-free. If faulty, the entire unit is replaced..

Attention



The following precautions apply when using components operated by a lithium battery:

Explosion hazard if the battery is inserted incorrectly. Replace the battery only with another of the same or equivalent model, recommended by the dealer.

Batteries must be disposed of in compliance with the norms in force.

Attention

Any repair work inside the machine shall be performed only by qualified staff in voltage-free conditions and in compliance with the wiring diagram. MEDIA LINE Consulting waives all responsibility for improper and unprofessional tampering with the machine. Improper replacements of single parts or incorrect operations on the machine may cause partial damage and therefore invalidate the warranty. Damaged machines and machines with faulty supply cables should not be further operated and should be immediately disconnected. Faulty or damaged parts must be replaced with original spare parts.

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1 Technical Data

1.1 General features



SM2000light distinguishes itself for its qualified technology and user-friendliness.

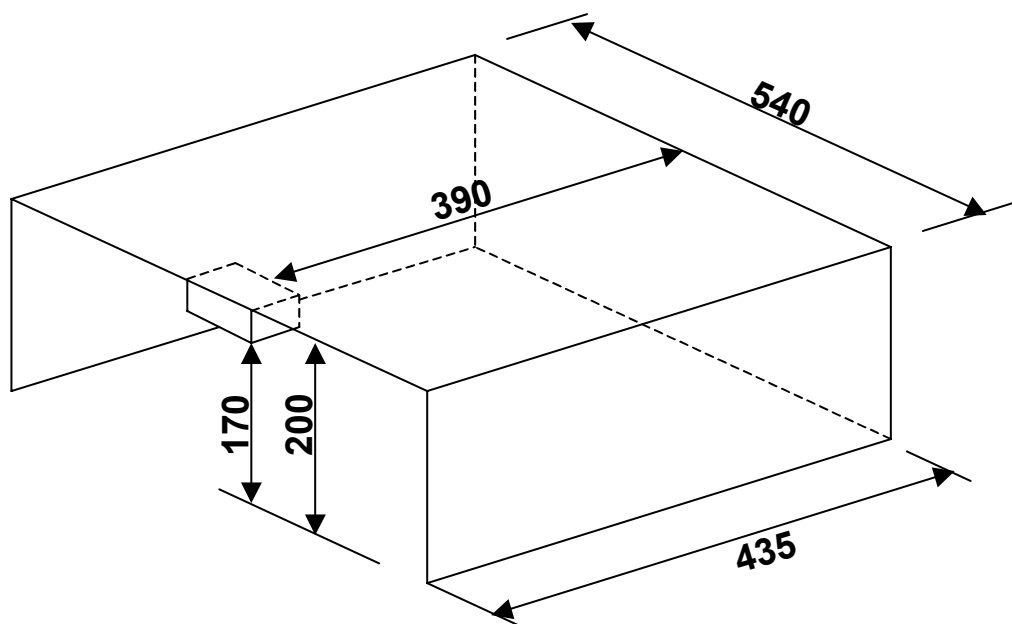
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1.2 Basic features

Dimensions

Dimensions of SM2000light:	
Hight	1600 mm
Width	560 mm
Depth (without keyboard)	680 mm
Depth (with keyboard)	780 mm
<hr/>	
Height of single components	
Keyboard:	950 mm
Screen:	1320 mm
Printer unit:	1050 mm

Dimensions of the PC-hood (in mm)



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Operating conditions

Ambient temperature: von 10° bis 40° C

Humidity: von 20 % bis 80 %

Connection to the power mains

Requirements of the power mains:

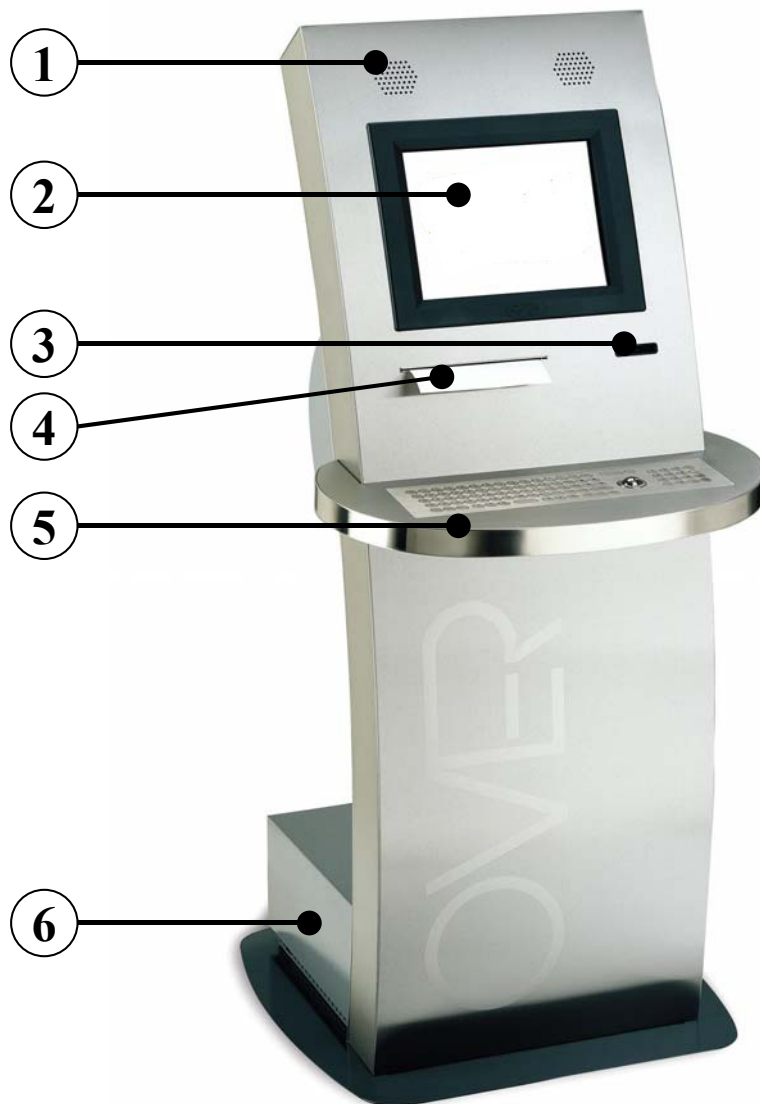
- 220-240 V (+10%, -15%), 50-60 Hz
- consumption 50-80 W
- good grounding



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1.3 Components of the SM2000light

Front



Integrated loudspeakers

LC-display with optional touchscreen

badge reader/smart-card reader (optional)

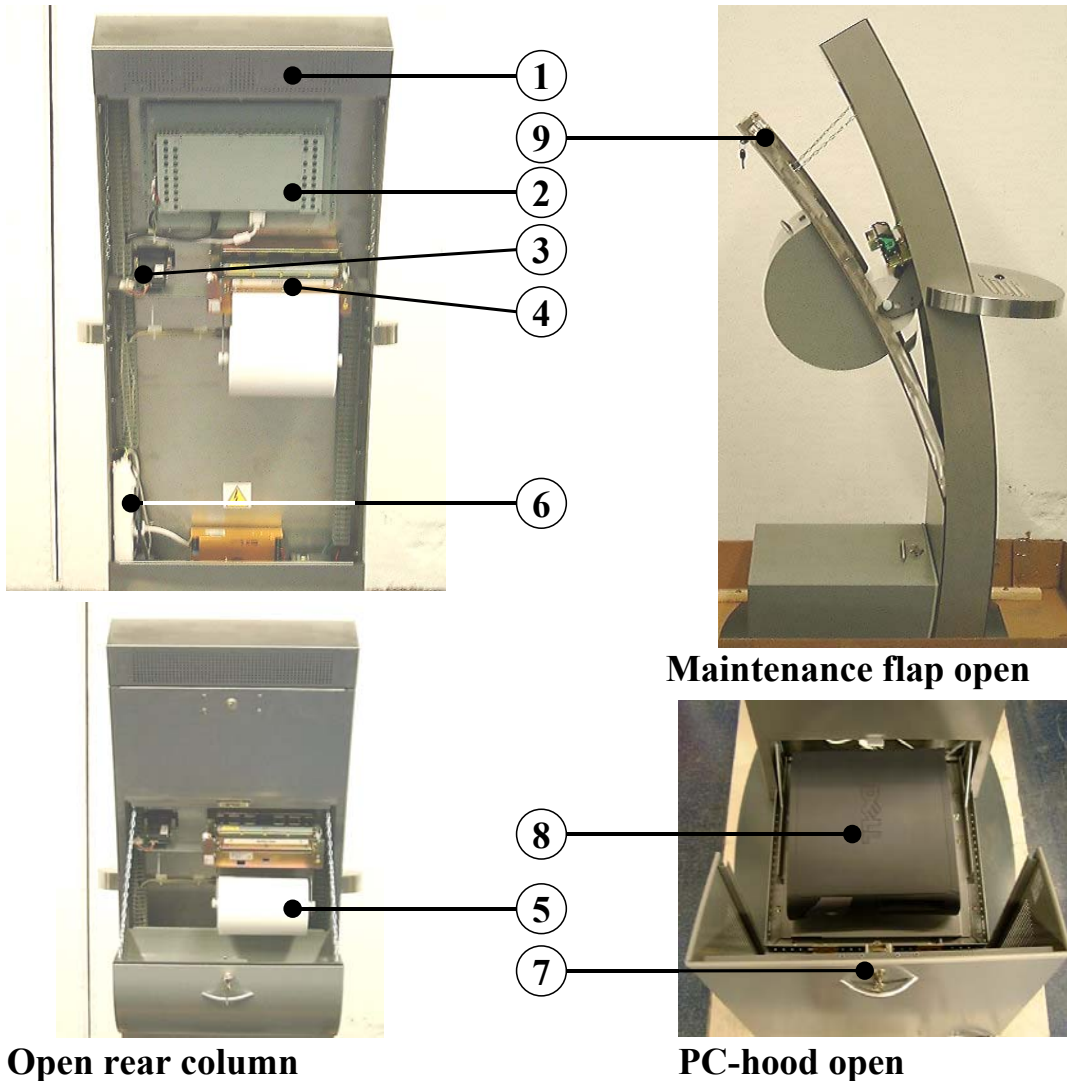
slot for paper output of the thermal printer (optional)

keyboard with integrated mouse-pad/trackball (optional)

PC-hood

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Rear



Open rear column

Maintenance flap open

PC-hood open

Ventilation slots to cool down the monitor

Rear of LCD monitor with switches to fit to PC

Rear of card reader

Rear of thermal printer with paper roll

Hood for thermal printer with lock and handle (open) for the easy access to change the paper roll

Multiple socket for plugs with main switch

PC-hood with handle and lock

Access to PC (specific arrangement of PC is possible)

Maintenance lid with lock

A description of the single system components follows.

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1.3.1 Integrated loudspeakers

Two 15 Watt quality stereo loudspeakers are installed in the **SM2000light** for a better acoustic performance. PC connector slot available.

1.3.2 LC-display with touchscreen

The 15" LC-display can be quipped with a capacitive touchscreen. For installation, follow the specific instructions provided in the installation CD enclosed. It is also possible to install a so-called "privacy filter" enabling screen viewing only for the person right in front of the terminal. In this way, privacy from side observation is ensured.

1.3.3 Badge reader / smart card reader (optional)

The badge reader is a optional installation. PC connector slot available.

Other devices can be installed at clients' request. Specific indications are given in the enclosed operating instructions.

1.3.4 Keyboard with integrated mouse-pad / trackball (optional)

The stainless steel keyboard is available with or without mouse-pad/trackball (IP 63 protection class). It is vandal-resistant and yet very ergonomic: this is the ideal prerequisite for longer texts in the Internet.

1.3.5 Maintenance lid with lock

The lid can be locked, thereby preventing unauthorised opening. To open, turn the key to the left.

If needed, behind the maintenance lid you can gain access to the loudspeakers, the LC display, the card reader and the thermal printer for maintenance purposes. Specific indications are given in the enclosed device instructions.

1.3.6 Hood for thermal printer (optional)

For the easy reloading of the paper rolls of the thermal printer, you find an additional hood with handle and lock on the maintenance lid. Designed for the easy access to change the paper roll.

To open: turn the key slightly to the left and bring the hood smoothly into the horizontal position.

To close: remove the key of the lock and close the hood until the lock snaps in.

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1.3.7 Thermal printer (optional)

The **SM2000light** can be equipped with a DIN A4 thermal printer. Together with the 1000 paper roll this device gives you the ability to print a high number of informations.

1.3.8 PC-hood with lock

Underneath the PC-hood you will find sufficient space for a Desktop-PC and a keyboard for your service. For maintenance purpose specific indications are given in the enclosed device-specific instructions.

To open: turn the key slightly to the left and lift the hood by grasping the handle into a stable vertical position.

To close: remove the key of the lock and close the hood smoothly until the lock snaps in.

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1.4 Connections of the SM2000light



Before establishing any connections and in order to avoid damage, make sure that the **SM2000light** is switched off. Connection to the power mains should be in the immediate vicinity of the computer and easily accessible..



SM2000light has two openings on its rear for the power mains (1) and the supply cable (2). Specific tools are available to help install the cables.

Avoid working with **SM2000light**'s connections during a thunderstorm.

To pull out a cable from the socket, always take hold of and pull the plug and never the cable.





Position the supply cable in such a way that no one can trip in it and that no other devices such as vacuum cleaners, floor cleaning appliances or vehicles may damage it. If needed, provide a sufficient cover or other device preventing tensile stress for the supply cable.

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A correct connection of the **SM2000light** to the power mains is the essential prerequisite for the correct operation of the machine. Therefore, carefully check that:

- Voltage  ranges are within the established limits,
- No high-
the same  consumption electromechanical devices are connected to line,
 It is properly grounded,
- No devices
grounding  presenting a risk of dispersion are connected to the system, also in order to comply with safety norms.

If voltage differs from reference values, even temporarily, use a voltage stabiliser. Furthermore, in case of repeated power failures, we suggest using a UPS (300/600W model) to avoid possible damage to the system..

Now simply connect the **SM2000light** to the power mains with the plug and start it up.

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2 Installation instructions

2.1 Packaging of the **SM2000**light

SM2000light is supplied mounted on a euro pallet. For protection purposes, a cardboard packaging is also used.



Mounted on pallet

Cardboard packaging

To unpack, first of all remove the cardboard cover and - if possible - bring the kiosk on the euro pallet to its installation site. If this is not possible, have at least four people hold the **SM2000**light at the corners of the base plate and transport it to its final installation site. Since it is rather top-heavy, be very careful in tilting it. When picking it up and putting it down again, take care not to crush your fingers.

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The keyboard housing cannot be used to take hold of and carry the machine. Never try to pick up the machine by seizing it there.

Removal of packaging and content check:



Keep the original packaging and the packaging material. The original packaging is needed if you send the machine to the assistance for repair work and to protect the **SM2000light** when transporting it,








Make sure that the parts in the packaging have not suffered visible transport damage.
If you notice transport damage or differences between the packaging content and the delivery note, contact your dealer immediately.

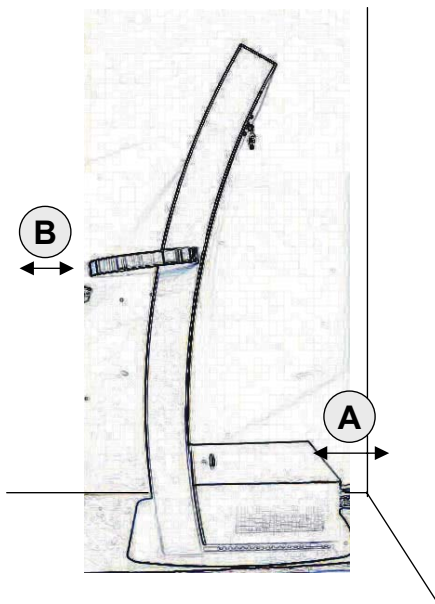
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2.2 Installation of the SM2000light

Before installing the **SM2000light**, make sure that the installation site meets the following requirements:

-  As any other electronic device, the **SM2000light** shall be installed in an appropriate place, sufficiently cool and dry and well ventilated.
-  **SM2000light** cannot be placed in direct sunlight or close to heat sources.
-  Do not place the **SM2000light** next to heating elements or other heat sources. If you install the **SM2000light** close to a wall, make sure that there is sufficient space for proper ventilation.
-  Do not place electronic devices working with frequencies, such as stereo units or TVs, close to the **SM2000light**.
-  Furthermore, respect a safety distance of at least 1 m from magnetic fields (loudspeakers, magnets, etc.) which can destroy data on diskettes and hard disk.

Safety distance (A)



You need to have a safety distance (A) between the **SM2000light** and the wall of at least 20-30 cm to allow for proper heat dispersion, to reload the printer with paper and to have access to it for maintenance purposes.

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Space for Operation (B)

To guarantee optimal access to the machine you need a space (B) of at least 1 m.

Fixing to the floor



Before putting the **SM2000light** in operation, you need to anchor it to the floor using the two specific openings (1 and 2) in the base plate and the supplied screws.



Otherwise the machine could tilt forwards when pressure is applied on the keyboard, thereby endangering the user.

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2.3 Putting into operation

First start-up:

When you start up the **SM2000light** the first time, proceed as follows::







1. Choose the place where the **SM2000light** is to be installed, following the instructions provided under the technical data and chapter 3.2.
2. Check voltage and connect the **SM2000light** to the power mains, following the instructions provided under the technical data and chapter 2.4.
3. To start up the components you install, such as PC, printer etc., please follow the specific instructions of the components' manufacturer

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3 Operating instructions

During operation, follow the instructions given below in order to guarantee a safe and smooth operation of the **SM2000light**.

-  Do not expose the **SM2000light** to humidity. Avoid bringing it in contact with rain, humidity or other fluids in order to prevent the danger of fire or short-circuits.
-  The openings and ventilation slots on the sides of the base and on the rear of the column permit proper ventilation of the **SM2000light**, thereby guaranteeing reliable operation, and protect it against overheating. Avoid covering or blocking up these openings.
-  The voltage at which the **SM2000light** is connected shall correspond to that indicated on the label on the rear of the computer. If you have doubts or questions, please ask your dealer.
-  Place the supply cable in a way that it is not exposed to harmful influences, such as rubbing, pulling, twisting, tension, etc.
-  If you use an extension lead, make sure that it is not overloaded.
-  Avoid inserting objects of any kind into the ventilation slots, which could touch the high voltage points and cause short-circuits or fires.

Below, the specific features of the **SM2000light** are described

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3.1.1 Keyboard use (optional)

See the enclosed keyboard instructions

3.1.2 Working with the touchscreen (optional)

See the enclosed touchscreen instructions

3.1.3 Use of the card reader (optional)

See the enclosed card reader instructions

3.1.4 Use of the thermal printer (optional)

See the enclosed thermal printer instructions







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4 Maintenance instructions

Maintenance of the **SM2000light** is of two kinds. Daily maintenance is mainly external while it is possible to operate on the electrical components only through the two maintenance openings.

4.1 Daily maintenance

-  Before cleaning, always turn off the **SM2000light** and pull out the power plug.
-  To clean the stainless steel surface use only the stainless steel cleaning product supplied. While cleaning, watch out that no fluid leaks into the machine through the openings for loudspeakers, microphone and ventilation. Use of a small amount of liquid is therefore recommended.
-  To clean the touchscreen and card reader, use a special cleaning product (available in specialist shops). During cleaning, devices have to be switched off, to avoid improper use. Be careful that no cleaning liquids leak into the devices.
-  The keyboard should be cleaned with a self-evaporating cleaning product (for instance: window cleaning product). During cleaning, disconnect the keyboard to avoid improper use.
-  Clean the frames of the printer unit and of the screen with a mild cleaning product since products containing alcohol or corrosive products in time may damage the surface.
-  In case of faulty operation, never try to repair the **SM2000light** on your own but disconnect it from the power mains and ask for qualified help

4.2 Maintenance of the electrical and mechanical components

The maintenance of the electrical and mechanical components is performed through the maintenance lid and the roller shutter. Before opening the **SM2000light** make sure that the device is disconnected from the power mains.

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4.2.1 Maintenance lid with lock

The lid can be locked and is therefore protected against unauthorised opening. To open it, turn the key to the left.

If needed, behind the maintenance lid you can gain access to the loudspeakers, the LC display, the card reader and the thermal printer for maintenance purposes. Specific indications are given in the enclosed device-specific instructions.

4.2.2 Hood for thermal printer (optional)

For the easy reloading of the paper rolls of the thermal printer, you find an additional hood with handle and lock on the maintenance lid.

To open: turn the key slightly to the left and bring the hood smoothly into the horizontal position.

To close: remove the key of the lock and close the hood until the lock snaps in.

4.2.3 PC-hood with lock

Underneath the PC-hood you will find sufficient space for a Desktop-PC and a keyboard for your service. For maintenance purpose specific indications are given in the enclosed device-specific instructions.

To open: turn the key slightly to the left and lift the hood by grasping the handle into a stable vertical position.

To close: remove the key of the lock and close the hood smoothly until the lock snaps in.

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5 Service instructions



If the **SM2000**light does not work properly even though you have followed the instructions correctly, carry out the check operations alone described in the instructions.

Improper setting of the motion mechanisms may cause damage or complications to the **SM2000**light.

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6 Enclosures

The instructions needed for the safe operation of the integrated electrical components are enclosed:

- LCD-Monitor
- Card reader (optional)
- Keyboard with integrated trackball/touch pad (optional)
- Loudspeakers
- Amplifier (optional)
- Personal Computer (PC)
- Thermal printer (PC)
- Mikrophone (optional)
- Videocamera (optional)