Preparation for use and operation

⚠ Please take note of the safety information in the chapter "Important notes".

Unpacking and checking the delivery

It is recommended not to throw away the original packaging material! It may be required for reshipment at some later date.

► Unpack all the individual parts.

► Check the delivery for damage incurred during transportation.

► Check whether the delivery agrees with the details in the delivery note.

Should you discover that the delivery does not correspond to the delivery note, notify your local sales outlet immediately.

ℹ If you have received drives or boards with your PC, please do not install them until after first-time setup. How to install drives and boards is described in the chapter "System expansions".

Preparing the PC for use

First-time setup includes the connection of the devices (monitor, mouse, keyboard etc.) and the setup of the supplied software.

When you set up the PC for the first time, you should carry out the following steps in the order shown:

1. Decide where you are going to use the PC.

2. Connect the external devices to the system unit.

3. Check the rated voltage of the system unit and connect it to the line voltage.

4. Switch the PC on and follow the instructions on the screen.

Setting up the PC

When installing your PC, give consideration to the recommendations and safety notes in the manual "Safety, Guarantee and Ergonomics".

Set up the PC only in its correct orientation. The points to observe are illustrated on the following pages.

We recommend that you place your equipment on a surface with good anti-slip qualities. In view of the multitude of different finishes and varnishes used on furniture, it is possible that the rubber feet of the devices will mark the surface they stand on.

Do not expose the PC to extreme environmental conditions (see chapter "Technical data"). Protect it from dust, humidity and heat.

Provide at least 200 mm of clearance on the left, in front of and behind the ventilator area of the system unit to ensure adequate ventilation. Do not cover the ventilation areas of the monitor and the system unit.

Do not place any objects that weigh more than 40 kg on the system unit and not several system units one above the other.

Connecting devices

The power plug must be disconnected!

Read the documentation on the external device before connecting it.

Do not connect or disconnect cables during a thunderstorm.

Always take hold of the actual plug body. Never unplug a cable by pulling the cable itself.

Connect and disconnect the cables in the order described below.

Connecting cables

- Turn off all power and equipment switches.
- Unplug all power plugs from the grounded power outlets.
- Connect all cables at the system unit and peripherals. You must observe the information provided in the chapter "Important notes".
- Plug all data communication cables into the utility sockets.
- Plug all power cables into the grounded power outlets.

Disconnecting cables

- Turn off all power and equipment switches.
- Unplug all power plugs from the grounded power outlets.
- Unplug all data communication cables from the utility sockets.
- Disconnect all cables from the system unit and peripherals.

Ports for external devices

The ports for external devices are on the rear and on the front of the system unit. The ports available on your device depend on the configuration level you have selected. The standard ports are marked with symbols like those below or similar symbols. Exact details of the position of the ports are supplied in the Technical Manuals for the boards.

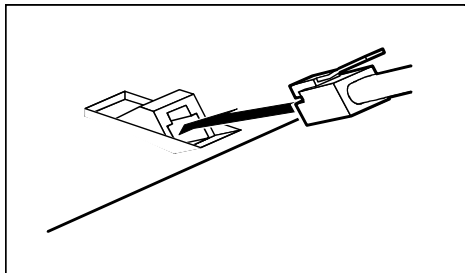|			
	Keyboard port		PS/2 mouse port
	Serial port 1		Serial port 2
	Video connector		Parallel interface / Printer
	Earphone		Microphone jack
	Audio output (Line out)		Audio input (Line in)
	Game port		SCSI connection
	USB - Universal Serial Bus	**LAN**	LAN port
	Chipcard reader		

Some of the devices that you connect require special drivers (see the documentation for the connected device and for the operating system).

Connecting the keyboard

| i | Use only the keyboard cable supplied. |

► Plug the round plug of the keyboard cable into the keyboard port on the system unit.

► Plug the other connector of the keyboard cable into the socket on the underside of the keyboard.

Connecting the mouse

► Plug the connector of the mouse cable into the mouse port.

| i | If you do not attach a mouse at the PS/2 mouse port, you can disable the mouse controller in the *BIOS-Setup* in order to free the IRQ12 for a different application. |

Connecting devices with serial or parallel port

► Connect the data cable to the external device.

► Connect the data cable of the external device to the appropriate port on the system unit.
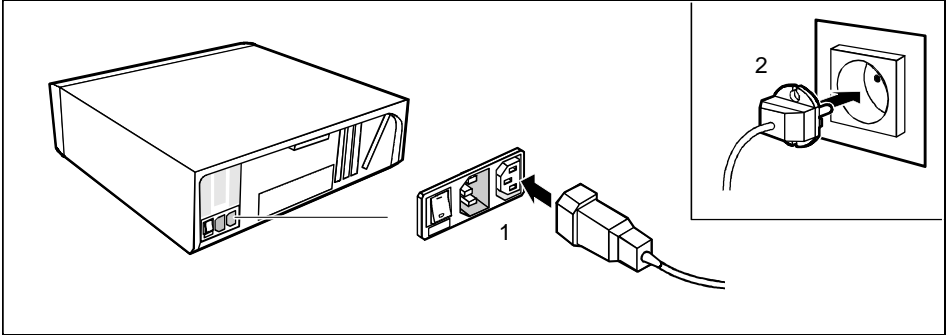
| i | Most devices that you connect to the serial or parallel port require special drivers. Your operating system already includes many drivers . But if the driver you need is not on the hard disk please install it from the floppy disk supplied with the device or with the application program. |

If you need to change the default settings of the serial or parallel port (e.g. address, interrupt), you can do so in the *BIOS Setup*. The default setting for the interfaces are described in the Technical Manual for the system board or in the "BIOS Setup" manual.

Connecting the monitor to the line voltage

▶ Prepare the monitor as described in the Operating Manual for the monitor.

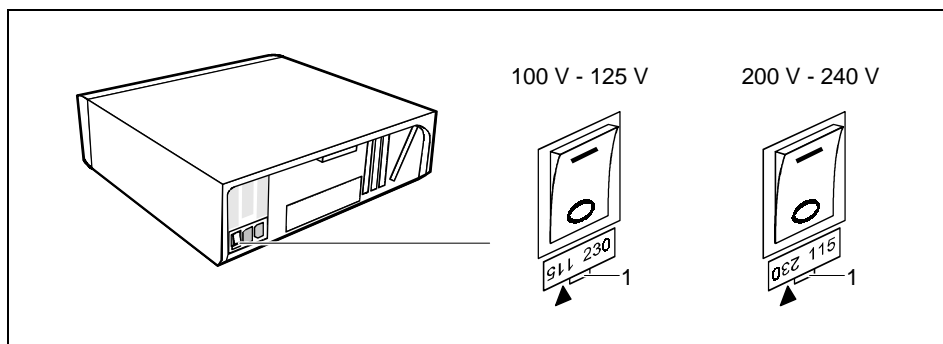▶ Plug the data cable of the monitor into the monitor port of the system unit.

▶ Depending on the connector, plug the monitor power cable into either the system unit (1) or the grounded power outlet (2).

⚠ You may only plug the monitor power cable into the monitor connector if the rated current of the monitor is less than 1.5 A (230 V) or 3 A (115 V). The rated current for the monitor is also given on the monitor itself and in the Operating Manual for the monitor.

Connecting the PC to the line voltage

100 V - 125 V   200 V - 240 V

1 = Notch for inserting the screwdriver
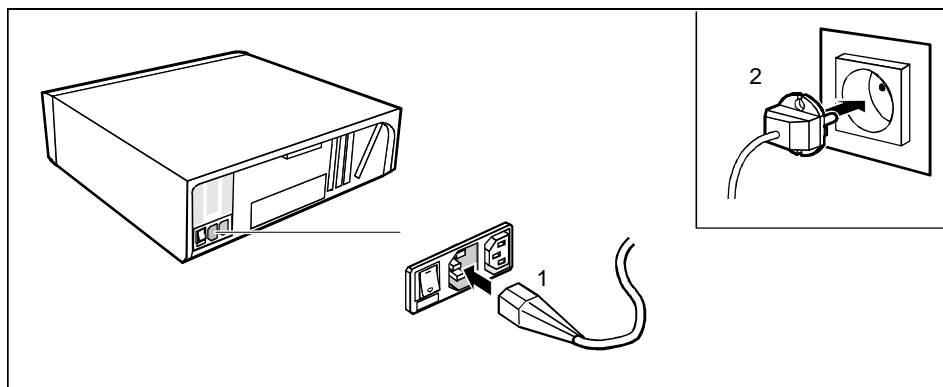
► Check the rated voltage.

The value marked with an arrow must agree with the local line voltage:
115 = 100 V to 125 V   230 = 200 V to 240 V

If the rated voltage does not agree with the local line voltage, lift out the plug-in unit with a screwdriver (1), turn it and replace it.
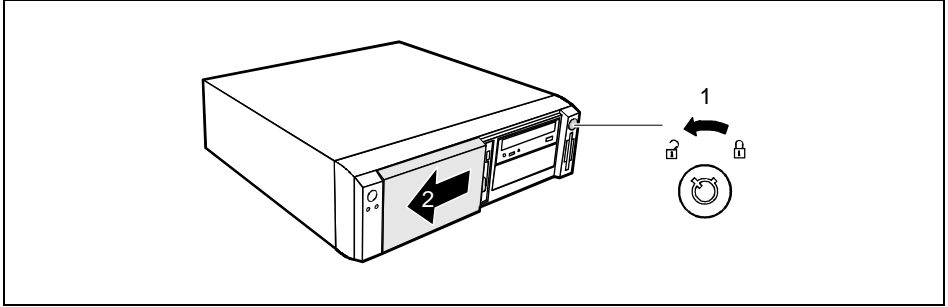

► Plug the system unit's power cable into the system unit (1) and then into the grounded power outlet (2).

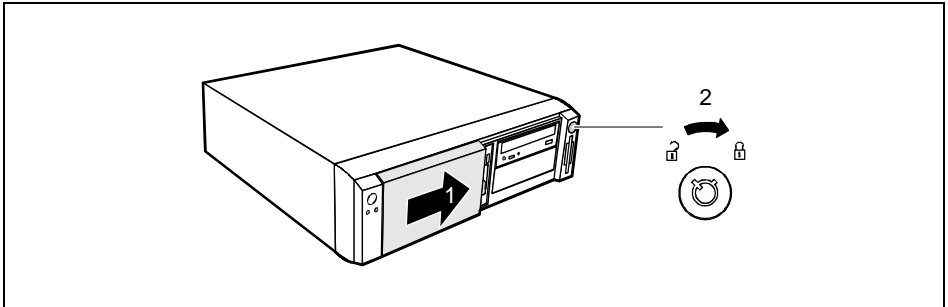# Unlocking/locking the system unit

With the casing lock you can mechanically lock the system unit, and with the drive cover you can block access to the drives.
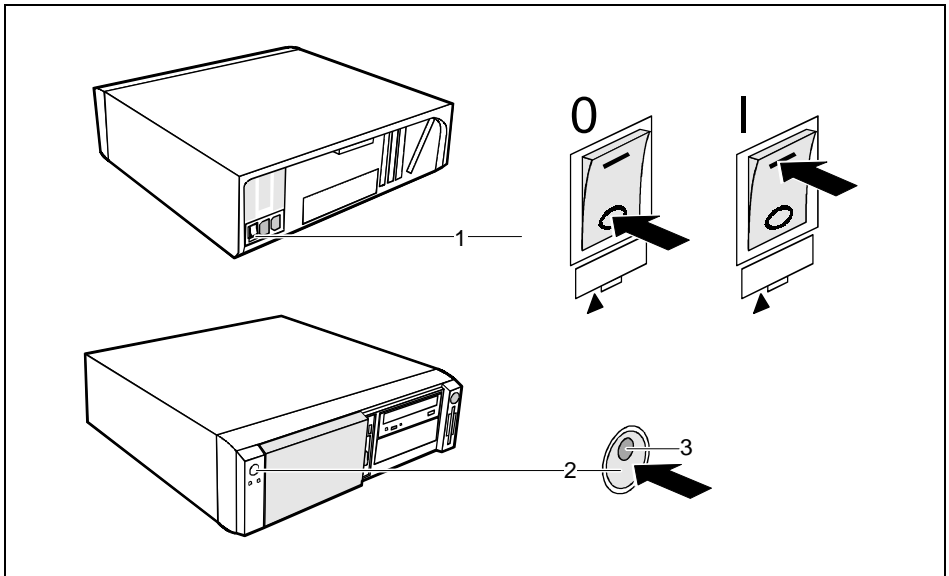
Unlocking the system unit

► Turn the key counterclockwise (1).

► Slide the drive cover in direction of the arrow (2).

Locking the system unit

► Slide the drive cover in direction of the arrow (1) and turn the key clockwise (2).

Switching the PC on and off

1 = Main switch   0 = System unit is switched off
2 = ON/OFF switch   I = System unit is ready-to-operate
3 = Power-on indicator

System unit is off

The main switch (1) is in position 0, the power-on indicator (3) does not light, and the ON/OFF switch (2) is disabled.

System unit is ready-to-operate

The main switch (1) is in position I and the power-on indicator (3) lights up orange or flashes green/orange. In this mode, you can switch the system unit on with the ON/OFF switch (2). The "ready-to-operate" status corresponds to the "stand-by" status of a TV set. The exact description of the power-on indicator (3) is contained in the section "Indicators on the system unit".

System unit is on

The main switch (1) is in position I and the power-on indicator (3) lights up green. The system unit can be switched ready-to-operate with the ON/OFF switch (2).