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1. Introduction

The Gira SmartTerminal enables current building states to be monitored from a central location and selected functions to be controlled via the EIB. The device consists of a colour graphical display, an operating button and four favourites keys. Navigation through the menu and selection of menu items occurs by turning and pressing the multi-colour backlit operating button. Three of the four favourites keys can be used as "personalised favourites keys" in the main menu.

Reception and answering of E-mail is also possible. Internet access must be set up for this purpose. A variety of online services are also available when the device is used in Germany. Services, such as news and weather data, can be easily selected and displayed with the operating button.

1.1 General information on the operating instructions/product support

The information, data, values etc. in this documentation may change without notice. The illustrations are also non-binding.

Subject to technical changes!



Note: Current information on the Gira website.

Since the software for the device you purchased is constantly being developed and updated, information in this manual may no longer be current.

The latest product information is available on the Gira website:

<http://www.gira.com>

Current software updates and documentation on your product are available under **Information/Download**.

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1.2 Scope of delivery

The following items are included in the scope of delivery:

- 1 x SmartTerminal (incl. glass cover and installation housing)
- 2 x 2 removal suction cups
- 1 x operator's manual

1.3 Interfaces and connection options

The SmartTerminal features the following interfaces and connection options:

- Mains voltage connection (230 V AC)
- RS232 interface (for support)
- EIB connection
- Network connection

1.4 System requirements

The requirement for operating the Gira SmartTerminal is a functional EIB system. Communication with the EIB devices and recording of events occur via the EIB. The device can also be operated without an EIB system, but the functional scope will definitely be reduced.

Data can be exchanged with the Internet via the network connection. To make full use of the scope of functions, we recommend flat-rate Internet access, a network and a router as the minimum requirements.

1.5 Area of application

The Gira SmartTerminal is used to display and monitor building states. In addition, various online services and E-mail functions can be used.

Any other use of the device is impermissible. Gira are not liable, either legally or otherwise, for faults and damage resulting from unintended use of the SmartTerminal.

2. Commissioning and installation

The SmartTerminal can be commissioned once it has been mounted and connected.



Important: Commissioning by professional electricians only!

Connection and commissioning of the device may only be carried out by properly trained professional electricians.

Your commissioning computer, on which your EIB project is stored in the ETS, will be required for commissioning. A so-called Configuration Assistant (plug-in) allowing basic configuration of the device can be opened in the ETS. The data are then transferred to the SmartTerminal via the bus, as with every other EIB device.



Note: Configuration in the ETS.

Plug-ins for configuring the SmartTerminal are available for both the ETS 2 and the ETS 2 Professional. The plug-in for the ETS 2 can be identified by the file extension vd2, and that for the ETS 3 Professional via the extension vd3.

Once the basic configuration has been made, additional settings can be made via the user interface of the device.

2.1 Device description

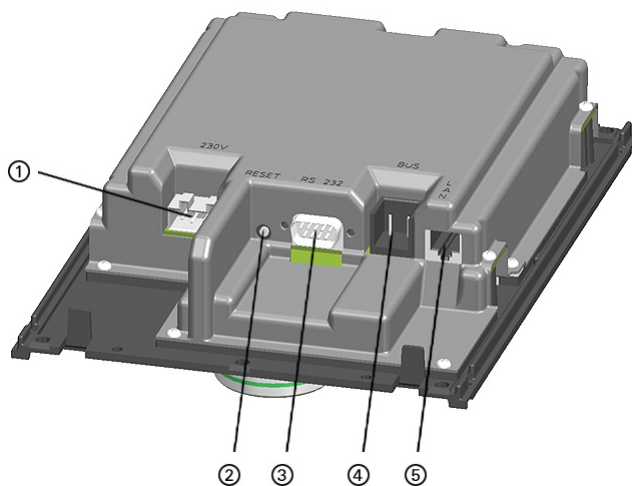


Fig. 2.1: Rear view of device with connection options

Connections of the Gira SmartTerminal:

- Mains voltage connection (1)
- Reset button (2)
- RS232 interface (3)
- EIB connection (4)
- Network connection (5)

2.2 Set-up and mounting

The Gira SmartTerminal may be installed and commissioned by professional electricians only (e.g. trained employees of electrical installation companies).

It can be mounted in the wall as a flush-mounted device (flush-mounted mounting frame, Item No. 1252 04) or inserted into the modular function profile (e.g. installation profile, Item No. 1371 00, 1372 00, 1373 00; surface-mounted mounting frame, Item No. 1251 04).

A glass plate is then placed over the device to protect its surface. This plate is available in mint glass, black glass and white glass.



Note: Attachment and removal of the glass plate.

To avoid damaging the display, the favourites keys or the operating button while attaching the glass plate, the plate should always be pressed on at diagonal corners using your fingers (e.g. top left and bottom right).

Use the removal suction cups included in the scope of delivery to remove the glass plate. These are also to be attached at diagonal corners before the plate can be pulled off.



Note: Mounting location.

The SmartTerminal may only be used indoors. Select an indoor mounting location that is not subject to direct sunlight. Note that UV radiation can negatively affect the service life of the SmartTerminal display.

2.2.1 Mounting height

For the display of the SmartTerminal to be read easily, the centre of the display should be found at eye level of the user, if possible. Since people naturally vary in height, we recommend positioning the centre of the display between 1.60 and 1.70 m from the floor (bottom edge of device approx. 1.45 to 1.55 m from floor).

2.2.2 Connection to the mains voltage

The mains voltage (230 V AC) is lead to the provided mains voltage connection via an NYM-J 3 x 1.5 plastic-sheathed cable (see Fig. 2.1 on Page 6).

The mains voltage can be removed easily at any time with no negative effects on other devices. Note that the device must be de-energised right after every firmware update.



Important: Provide lightning protection!

To prevent the device being damaged, we urgently recommend that you protect the device against overvoltage at the mains cable, at the network connection and at the EIB voltage input by using appropriate protective equipment.

2.2.3 Connection to a network

To connect the SmartTerminal to an existing network, you will require a network hub and a network cable (e.g. Cat 5e). Note that the network hub and network cable are **not** included in the scope of delivery.

A connection between the SmartTerminal and the network is established by, for example, connecting one end of the network cable to the network hub. The network cable is then routed to the SmartTerminal through a cable duct intended for this purpose.

Before attaching the network plug to the end of the cable, guide the network cable into the flush-mounted box through the opening on the left-hand side at the bottom (when viewed from the front). Only then may the network plug be attached and subsequently inserted into the network connection at the SmartTerminal.

The SmartTerminal requires an IP address in order to be detected on the network. The IP address can be entered via **Einstellungen/Systemeinstellungen/Netzwerk-Konfiguration**. It can also be assigned automatically, e.g. via your router, if you have activated the **use DHCP** option in **Einstellungen/Systemeinstellungen/Netzwerk-Konfiguration** at the SmartTerminal.

The network mask is preset to 255.255.255.0, but can be changed via **Netzwerk-Konfiguration** if necessary.



Note: Quick mounting.

We recommend using a flexible Cat 5e cable and a quick connector plug (e.g. VARIOSUB RJ45 Quickon from Phoenix Contact or an FM/RJ45 plug from Reichle & De-Massarie AG) for quicker mounting of the network connection.

2.2.4 Connection to the EIB

To connect the SmartTerminal to the EIB, you will require an EIB bus cable connected to the entire EIB system. Note that the bus cable is **not** included in the scope of delivery.

A connection between the SmartTerminal and the EIB is established by guiding the bus cable to the SmartTerminal through a cable duct intended for this purpose, for example.

Before attaching the bus plug to the end of the cable, guide the bus cable into the flush-mounted box through the opening on the right-hand side at the bottom (when viewed from the front). Only then may the bus plug be attached and subsequently inserted into the EIB connection at the SmartTerminal.

2.2.5 Direct connection to a laptop or desktop computer

You can also connect the SmartTerminal directly to your commissioning computer (e.g. for transferring new firmware) if it has a network connection. Use a Cat 5e crossover network cable for this purpose (e.g. crossover cable 5e with two RJ45 plugs). The cable is **not** included in the scope of delivery.

2.3 Initial commissioning

For the initial commissioning of the Gira SmartTerminal, proceed as follows:

1. Import the plug-in for the SmartTerminal into the ETS (see “Importing the plug-in into the ETS 3 Professional” on Page 12, for example).
2. Add the SmartTerminal to your ETS project as a new device.
3. Make all relevant settings via the device parameters in the ETS.
4. Insert the mounting frame for the SmartTerminal either into/onto the wall or into the function profile as desired.
5. Connect the SmartTerminal to the mains voltage cable and the EIB while following the applicable safety regulations. Connection to a network makes sense, but is not absolutely required for commissioning.
6. Insert the SmartTerminal into the mounting frame.
7. Switch the mains voltage on. Wait a moment until the SmartTerminal has booted up and the main menu appears in the display.
8. Connect your commissioning computer to the EIB.
9. Select **Einstellungen/Systemeinstellungen/EIB Konfiguration/EIB Programmierung** at the SmartTerminal. Press the **Programmierung** button. The operating button is backlit red.
10. Start the **Physikalische Adresse programmieren** function from the ETS when the operating button is illuminated red. Then transmit the application. The setting of device-specific data is explained in the following. (See “Making basic settings using the Configuration Assistant in the ETS.” on Page 15.)



Note: Reading in project data from the ETS.

To start the Configuration Assistant, at least one other device with one function and group address must be created in your current project in addition to the SmartTerminal.

If this is not the case, you will receive an error message when calling up the Configuration Assistant. The message indicates that the assistant cannot be started.

This is why we recommend adding the SmartTerminal to an existing, complete ETS project. All required data can then be easily transmitted to the SmartTerminal from the ETS.

2.4 Installation of the Configuration Assistant in the ETS 2

The Configuration Assistant allows you to program the SmartTerminal via the ETS. It is available as a vd2 database plug-in for the ETS 2. This database, in addition to the normal Gira product database, must be imported into the ETS 2.



Important: The plug-in in the ETS 2 must be updated!

The plug-in for your SmartTerminal must be updated even if you have already worked with a previous version of the Configuration Assistant in the ETS 2.

Your SmartTerminal can only be programmed fully in the ETS 2 if it is updated.



Note: Plug-in software for use in the ETS 2.

The SmartTerminal plug-in described here may only be used in the ETS 2. The plug-in can be identified by its vd2 file extension. The ETS 3 plug-in, which has the vd3 extension, is intended for the ETS 3 Professional only, and cannot be imported into the ETS 2.

Gira are not liable, either legally or otherwise, for errors or disadvantages resulting from incorrect use of the ETS 2 plug-in.

2.4.1 Importing the plug-in into the ETS 2

To import the plug-in with file extension vd2 into the ETS 2, proceed as follows:

1. Start the ETS 2. The ETS 2 tool list appears.
2. Open the Produktverwaltung window by clicking **Produktverwaltung**.
3. Open the ETS 2 import window by clicking **Import**.
4. Select the plug-in file (file extension vd2) for the SmartTerminal and confirm your selection with **OK**. The import is carried out. The Configuration Assistant for SmartTerminal in the ETS 2 is then available for you to use.
5. Call up the Configuration Assistant once (see "Making basic settings using the Configuration Assistant in the ETS." on Page 15). Only after this is the import complete and the Configuration Assistant available in the ETS 2.



Note: Additional information on working with the ETS.

For additional information on working in the ETS, please refer to the KNX/EIBA-supplied manual for your ETS version or the ETS integrated help.

2.5 Installation of the Configuration Assistant in the ETS 3

The Configuration Assistant allows you to program the SmartTerminal via the ETS. It is available as a vd3 database plug-in for the ETS 3 Professional. This database, in addition to the normal Gira product database, must be imported into the ETS.



Note: Plug-in software for use in the ETS 3 Professional.

The SmartTerminal plug-in described here may only be used in the ETS 3 Professional. It can be identified via its vd3 file extension.

Note that the SmartTerminal plug-in with the vd2 file extension cannot be imported into the ETS 3, as proper functioning of the Configuration Assistant cannot be ensured in this case.

Also note that the SmartTerminal plug-in with file extension vd3 cannot be used in the ETS 3 Starter.

The transfer of SmartTerminal projects created in the ETS 2 to the ETS 3 is easy with this plug-in.

Gira are not liable, either legally or otherwise, for errors or disadvantages resulting from incorrect use of the ETS 3 plug-in.

2.5.1 Importing the plug-in into the ETS 3 Professional



Note: Administrator rights required.

When importing the plug-in into the ETS 3 Professional with the user rights of an operating system (e.g. Windows 2000, Windows XP Home, Windows XP Professional), you must log on as either an administrator or a main user of the local group.

If you do not have the required rights, please contact your system administrator or consult the operating instructions of your operating system on how to log on with the required rights, as the import will be unsuccessful and you will not be able to start the Configuration Assistant in the ETS 3.

To import the plug-in into the ETS 3, proceed as follows:

1. Start the ETS 3 Professional. Note that you must be logged on as an administrator or main user of the local group.
2. Select **File/Import**. The **Import** selection window opens.
3. Select the plug-in file (e.g. SmartTerminal_501001.vd3).
4. Activate **Import all items in the file**.
5. Click **Open**. The plug-in is imported. The Configuration Assistant in the ETS 3 Professional is now available.
6. Call up the Configuration Assistant once (see "Making basic settings using the Configuration Assistant in the ETS." on Page 15). Only after this is the import complete and the Configuration Assistant with all system users available in the ETS 3 Professional.



Note: Additional information on working with the ETS.

For additional information on working in the ETS, please refer to the EIBA-supplied manual for your ETS version or the integrated help in the ETS.

2.5.2 What to do after a faulty import plug-in

If you were not logged on as an administrator or main user of the local group in an operating system such as Windows XP when importing the plug-in or during the initial running of the Configuration Assistant in the ETS 3 Professional, the import was faulty. The Configuration Assistant cannot be started in this case.

To remedy this error, proceed as follows:

1. Log on to your operating system as the administrator.
2. Select the folder
Programme/Gemeinsame Dateien/EIBAsc/Baggage/8/ST3
in Windows Explorer, for example.
3. Delete the entire **ST3** folder.
4. Start the ETS 3 Professional.
5. Import the plug-in into the ETS 3 Professional (see "Importing the plug-in into the ETS 3 Professional" on Page 12).
6. Call up the Configuration Assistant once (see "Making basic settings using the Configuration Assistant in the ETS." on Page 15). Only after this is the import complete and the Configuration Assistant with all system users available in the ETS 3 Professional.

2.6 Transfer of projects from the ETS 2 to the ETS 3

If you have integrated the ETS 3 plug-in of the SmartTerminal into the ETS 3, old projects created with the ETS 2 can also be modified easily.

For this purpose, export the old SmartTerminal project from the ETS 2 and then import it into the ETS 3 (follow ETS instructions). The parameters of the SmartTerminal can be modified and enhanced via the SmartTerminal Configuration Assistant.

2.7 Making basic settings using the Configuration Assistant in the ETS.

The data points and their properties are selected for the SmartTerminal using the Configuration Assistant.

To start the Configuration Assistant, open the corresponding project in the ETS. Select the SmartTerminal as the device and call up the Assistant by right-clicking the device. A pull-down menu then opens, in which you are to select **Edit Parameters** (see Fig. 2.2). The Configuration Assistant now reads the data from the ETS database.



Note: Reading in project data from the ETS.

To transfer all required data from the ETS to the SmartTerminal, the ETS project must be complete.

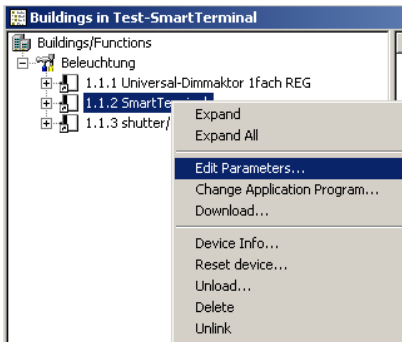


Fig. 2.2: Opening the **Edit Parameters** window in the ETS

The **Configuration Assistant - EIB SmartTerminal** window opens when the Configuration Assistant is started. It has a similar appearance to the ETS in group address mode.

The project tree is located on the left-hand side. Here you can select **IP Configuration** or the group addresses to be selected.

There are three menu items in the menu bar (see Fig. 2.3). The SmartTerminal project can be printed or exported to an Excel file via the **Files** menu item. Selecting **Return to ETS without saving** brings you back to the ETS without saving the SmartTerminal project. **Save all and return to ETS** closes the Configuration Assistant and saves the project data that has been created or the existing project data.

First select the structure of the group addresses according to the setting in the ETS (two or three levels) under **Options**. You can open or close the project tree here as well.



Fig. 2.3: Menu structure of the Configuration Assistant

Select the menu language of the Configuration Assistant under **Language**. German and English are available in version 2.0x.

You can display a list of all virtual rooms that have been created, but are currently not being used, via the menu item **Virtual rooms (not used)**. You can learn about what virtual rooms are and how they're created under "Creating virtual rooms" on Page 25.

2.7.1 IP Configuration

To perform the network configuration for the SmartTerminal, select **IP Configuration** in the project tree (see Fig. 2.4).

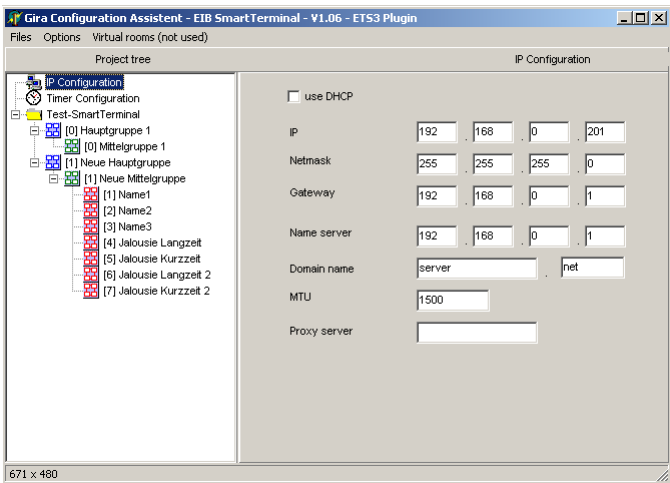


Fig. 2.4: IP configuration options

You can make the following settings in the **IP Configuration** section:

- **use DHCP:** Abbreviation of "Dynamic Host Configuration Protocol". Enables dynamic configuration of the IP address and the associated information for the SmartTerminal. You should activate this option, for example, if the SmartTerminal is on a network where IP addresses are issued automatically, e.g. via a router with a DHCP setting.



Note: Activation of DHCP.

With the activation of DHCP, the fields for **IP, Netmask, Gateway** etc. in the **IP Configuration** window are greyed out and can no longer be changed. Any existing specifications become ineffective, since they are now automatically detected/issued via DHCP.

- **IP:** Abbreviation of "Internet Protocol". Specify the IP address of the SmartTerminal on the network here. Only possible if DHCP is deactivated.
- **Netmask:** Specify the number of devices (e.g. computers) that can be connected to the current network, depending on the respective network class. By default, you should leave the net mask set to 255.255.255.0. Only possible if DHCP is deactivated.
- **Gateway:** Specify the IP address of the gateway/router to be used to provide Internet access to the SmartTerminal. Only possible if DHCP is deactivated.
- **Name server:** Also called Domain Name Server (DNS). Specify the IP address of a server that converts a name (e.g. gira.de) into an IP address that can be addressed directly via the Internet. Only possible if DHCP is deactivated.
- **Domain name:** Enter the network address at which the SmartTerminal can be reached via the network (e.g. MySmartTerminal.com). Only possible if DHCP is deactivated.

- **MTU:** Abbreviation of "Maximum Transmission Unit". First specify a value of 1,500 bytes. This is the maximum size of data packets in which information is split up during data transfer (e.g. on the Internet). If this setting causes problems with SmartTerminal data transfer, you can also reduce this value. Only possible if DHCP is deactivated.
- **Proxy server:** If the network containing the SmartTerminal is connected to the Internet via an http proxy server, specify the name of the proxy server. Otherwise, the online and mail services of the SmartTerminal cannot be used. Only possible if DHCP is deactivated.

**Note: IP configuration at the SmartTerminal.**

IP configuration of the SmartTerminal need not be carried out via the Configuration Assistant in the ETS.

These settings can also be made/changed at the SmartTerminal itself via **Settings/System settings/Net Configuration** (see "Network configuration" on Page 53).

**Important: Internet connection costs!**

An Internet connection for the SmartTerminal is required if online services and E-mail functions are to be used. Costs accrue when the SmartTerminal dials in to the Internet. These costs are not covered by Gira.

Gira are also not liable, either legally or otherwise, for dial-in costs accrued due to improper installation of the SmartTerminal.

2.7.2 Timer Configuration

The date and time can be sent to the EIB using the assigned group addresses via **Timer Configuration**.



Note: Unique designation of group addresses.

To enable correct assignment in the plug-in, please note that you must create a clean group address structure and unique designations of the group addresses in your ETS project.

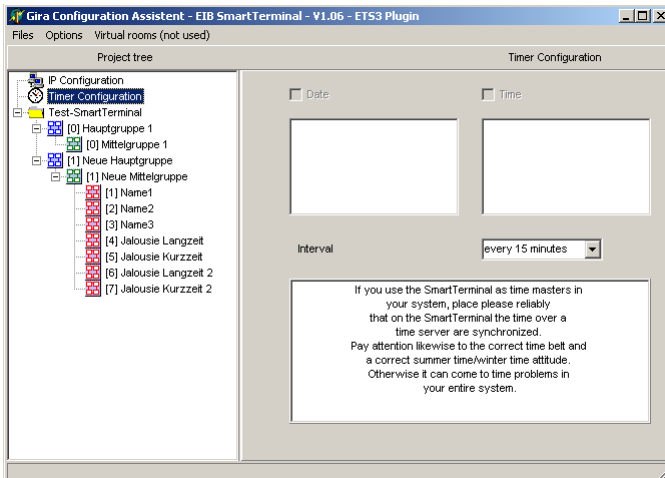


Fig. 2.5: Timer Configuration setting options


The following setting options are available:

- **Date:** Activate this option if the date is to be sent over the EIB. Select the triggering group address in the list field below it.
- **Time:** Activate this option if the time is to be sent over the bus. Select the triggering group address in the list field below it.
- **Interval:** Specify the intervals at which the date or time are to be sent over the bus. You can select intervals of 5 minutes, 15 minutes, 30 minutes, 1 hour or 1 day or set the function to **Off**.

Subsequent changes or additions to the data specified here can also be made via the SmartTerminal (see "EIB Timemaster" on Page 52).

2.7.3 Assignment of the group addresses

When the SmartTerminal project is selected, a project tree appears on the left-hand side of the window (see Fig. 2.6). Each individual group address of your ETS project can be selected in the project tree. If a group address is selected, a configuration window opens on the right-hand side, in which you can assign and configure the group address for transfer to the SmartTerminal.



Note: Unique designation of group addresses.

To enable correct assignment in the plug-in, please note that you must create a clean group address structure and unique designations of the group addresses in your ETS project.

The **room allocation** and **shutter allocation** tabs are displayed in the configuration window if applicable to the group address type. The **shutter allocation** tab is then only visible when the group address is a blinds object and a at least one moving object and one step object have been assigned to one another.

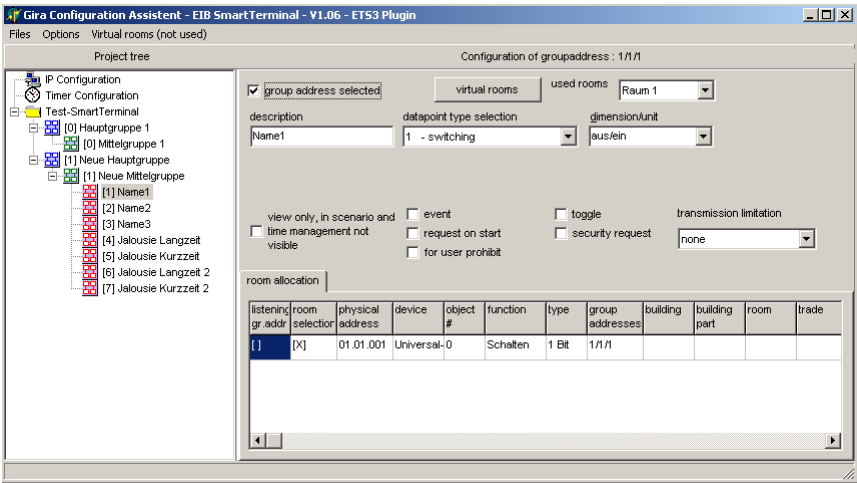


Fig. 2.6: Display of the SmartTerminal project in the room allocation

The following selection and setting options are available in the **room allocation**:

- **Group address selected:** If this function is activated with a tic, the group address in the SmartTerminal is accepted. All fields in this mask can be controlled. If this function is deactivated, all fields are greyed out and cannot be controlled.
- **Virtual rooms:** Using this button, you create virtual rooms (See “Creating virtual rooms” on Page 25.) that you select in the selection list to the side. The group address then appears in these virtual rooms as well.
- **Used rooms:** Displays a list of all virtual rooms used in the project.
- **Description:** Designation of the group address. The displayed content has been taken from the ETS.
- **Datapoint type selection:** Lists all possible data types for this group address. The EIS (EIB Interworking Standard) was developed to ensure compatibility between devices of the same type from different manufacturers (e.g. EIS 1: 1 bit, switch; EIS 2: 4 bits, dim). Select the desired group address type from the list. The SmartTerminal is oriented by EIS type.
- **Dimension/unit:** The data received via the EIB have no dimensions. For comprehensible representation with evaluation, it makes sense to assign the data a dimension. The dimension can be selected as desired and entered.
- **View only...** : If this function is activated via a tic, the group address can no longer be modified by the user in the SmartTerminal; it is only displayed. It can no longer be selected in scenes and time functions (e.g. for the display of open windows or wind speeds).
- **Event:** If this function is activated via a tic, the group address can also be used for events. Events can include waking up of the display, the display of message texts, limit value functions and the calling up of scenes.
- **Request on start:** If this function is activated via a tic, the corresponding group address is scanned on the EIB when the SmartTerminal is started.
- **For user prohibit:** If this function is activated by a tic, the group address is only processed internally and is no longer displayed.
- **Toggle:** Activates the toggle function for the operating button of the SmartTerminal. Functions like switching on and switching off can then only be implemented via pressing of the operating button. Only visible if the data point type is a 1-bit switching object.

- **Security request:** If this function is activated, a confirmation prompt appears in the SmartTerminal if building functions are to be changed via the SmartTerminal. Only visible if the data point type is a 1-bit switching object.
- **Transmission limitation:** Here you select whether only a "1" or a "0" is to be sent for switching. **none** deactivates this function. Only visible if the data point type is a 1-bit switching object.

The group addresses and their most important properties are displayed in the list below the setting options. This provides you with an overview of which group addresses are connected to which objects via the ETS.

In the **listening gr. addr.** (listening group addresses) column, you can specify the group addresses that carry along the communication object. You do not select the individual group address here, but rather a communication object already existing in other devices. The group addresses contained within are assigned to the current group address to be edited as listening group addresses.

Example:

As with push button sensors, the status displays must also be provided with listening group addresses in the SmartTerminal. If lighting is switched off via a central function, for example, the status display in the SmartTerminal changes accordingly. Thus the actuator for the selection of the listening group addresses should generally be used for the "Switch light" function.

If your ETS project contains data points for blinds control, for example, they can be assigned and edited in **shutter allocation**. This tab is only visible if the selected group address is a blinds object and at least one long time object and one short time object have been assigned.

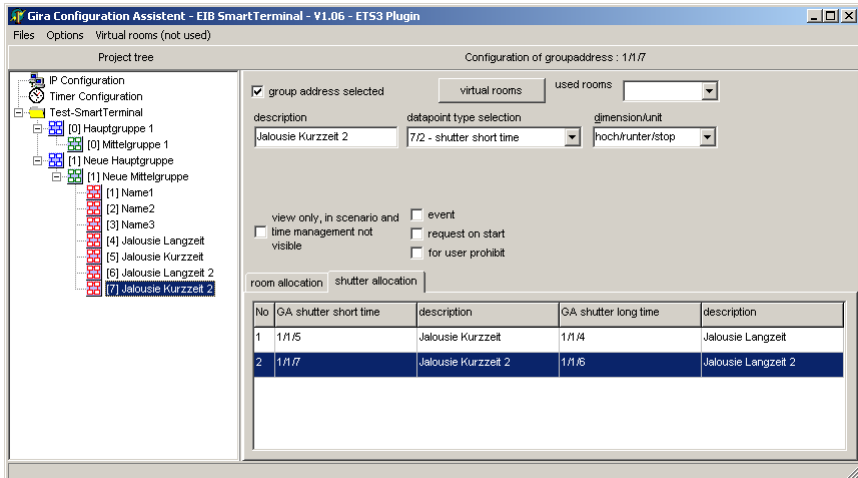


Fig. 2.7: Display of the SmartTerminal project in the shutter allocation

Example:

You have created a 16-gang blinds actuator in your ETS and would now like to create the eight short time objects for blind adjustment and the eight long time objects for moving the blinds up and down. To make this assignment, proceed as follows:

1. Click the first step object in the project tree (e.g. Jalousie Kurzzeit).
2. Activate **group address selected** in the configuration window.
3. Assign the corresponding data type in the configuration window. Note that the **shutter allocation** tab is still **not visible** at this point.
4. Carry out Steps 1 through 3 with the accompanying moving object (e.g. Jalousie Langzeit). Only then does the **shutter allocation** tab appear.
5. Click the **shutter allocation** tab. The table contains a line with the number 1 on which the group address of the long time object just created can be seen under **GA shutter long time** (in Fig. 1/1/4, Jalousie Langzeit). The field under **GA shutter short time** is empty.
6. Double-click line number 1. The previously created short time object is inserted and is thus assigned to the corresponding long time object.
7. To make the assignment for all eight short and long time objects, carry out Steps 1 through 6. Step 6 is carried out on the new line which has been created, however.

It is possible that you might accidentally assign the incorrect short time object to a long time object in **shutter allocation** (or vice versa), e.g. Jalousie Langzeit and Jalousie Kurzzeit 2. There are two ways to delete this assignment.

Option 1: You select the group address in the project tree that is assigned to the incorrectly assigned object (e.g. Jalousie Kurzzeit 2). If you then deactivate the option **group address selected** in the configuration window, the corresponding entry is removed under **shutter allocation** in the table.

Option 2: You select the group address in the project tree that corresponds to the object that actually had to be assigned (e.g. Jalousie Kurzzeit). If you then activate the option **group address selected** in the configuration window, the incorrect entry is automatically replaced by the new object under **shutter allocation** in the table.

2.7.4 Creating virtual rooms

Structures independent of the ETS can also be created via the **virtual rooms** function. If you would like to work in a function-oriented way, for example, you could create a "temperature" virtual room, to which you add all temperature controllers from the various rooms of your project, to name one example. This would provide you with an overview of all temperature information.

A virtual room is created by clicking the **virtual rooms** button in the Configuration Assistant when configuring a group address. The **Virtual rooms for groupaddress...** window appears (see Fig. 2.8).

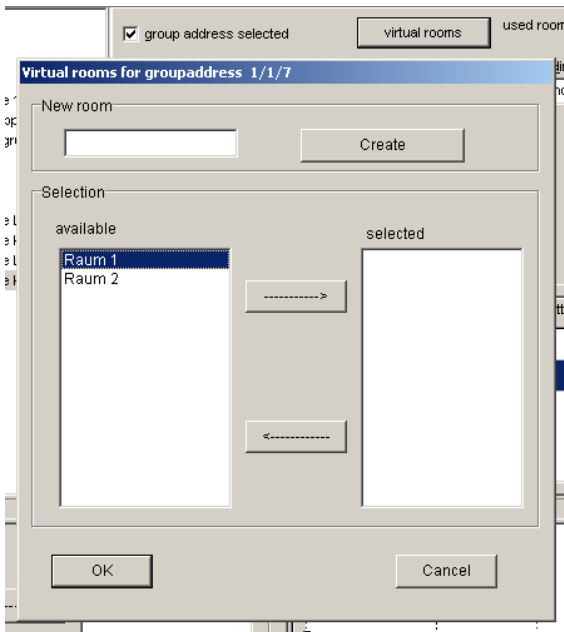


Fig. 2.8: Creating virtual rooms

1. Enter a name for the virtual room you would like to create under **New room**.
2. Click **Create**. The name of the new room appears in the **available** list. You can create any number of virtual rooms in this way. All virtual rooms already created in the project (for other group addresses as well) are displayed in the **available** list.
3. Select the room in the **available** list to which the current group address is to be applied.
4. Click the arrow pointing to the **selected** list to assign an existing virtual room to the group address.
5. To undo an assignment, select a room in the **selected** list and click the arrow pointing to the **available** list.
6. Save your settings with **OK**.

2.7.5 Deleting virtual rooms

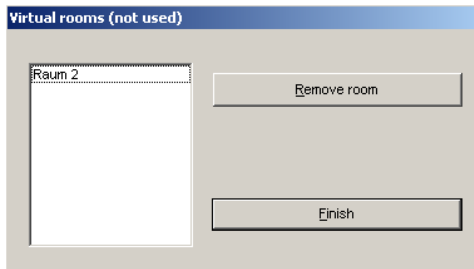


Fig. 2.9: List for deleting virtual rooms

To delete a virtual room, proceed as follows:

1. Select **Virtual rooms** in the main menu bar of the Configuration Assistant. The **Virtual rooms** list opens.
2. Select the room you would like to delete from the list.
3. Click **Remove room**. The virtual room is deleted.
4. The **Virtual rooms** list is closed by clicking **Finish**.

2.8 Updating the firmware

Software updates remedy technical difficulties (bug fixing) and also expand the scope of functions of your SmartTerminal.

All updates are carefully checked by Gira. Technical defects cannot be fully excluded, however. For this reason, check the functionality of your SmartTerminal after every software update.

You will require a conventional desktop or laptop computer with the Windows® 2000 or XP operating system to download and copy a software update to the SmartTerminal. Either a network containing the SmartTerminal and this computer or a crossover cable is also required for transfer of the update to the SmartTerminal.

2.8.1 SmartTerminal preparation

You must prepare the SmartTerminal for data transfer before starting the update program. Make the following settings for this purpose:

1. Set the backlighting of the operating button to green (if necessary).
2. Deactivate the **EIB present?** setting. Deactivate the intervals for E-mail and online services.

2.8.2 Brief instructions for making preparations

To change the backlighting of the operating button in the SmartTerminal, proceed as follows:

1. Select **Settings/User Settings/User Controls/Jogdial Settings** in the main menu.
2. Select the **Green** option in the **Colour** menu item.
3. Press the **Save** button.
4. Confirm the save prompt with **OK**. The changes are saved.
5. Exit the menu with **Back**.

To deactivate the EIB, proceed as follows:

1. Select **Settings/System Settings/EIB Configuration/EIB present?** in the main menu.
2. Deactivate the option **EIB present?** by clicking the operating button. A message appears and must be confirmed with **OK**.
3. Exit the menu with **Back**.

To deactivate the intervals for retrieving E-mail and online services, proceed as follows:

1. Select **Settings/System Settings/Online Intervalls** in the main menu.
2. Select the retrieval interval for E-mail accounts/online services.
3. Select the option **Off** for both interval settings.
4. Press the **Save** button.
5. Confirm the new interval prompt with **OK**. The changes are saved.
6. Exit the menu with **Back**.

2.8.3 Installing a software update

The software update is an executable file copied to a computer connected to the SmartTerminal via a network or directly via a crossover cable. Double-clicking this file starts the transfer program and moves all required data to the SmartTerminal automatically.

To install the firmware update, proceed as follows:

1. Copy the update program to your computer.
2. Establish a connection between the computer and SmartTerminal via a network or directly (via a crossover cable).
3. Prepare the SmartTerminal for data transfer (see "SmartTerminal preparation" on Page 27).
4. Double-click the update program to start it. A divided information window appears. The top section provides information on the status of the data transfer. The bottom section displays all SmartTerminals detected on the network by the program.

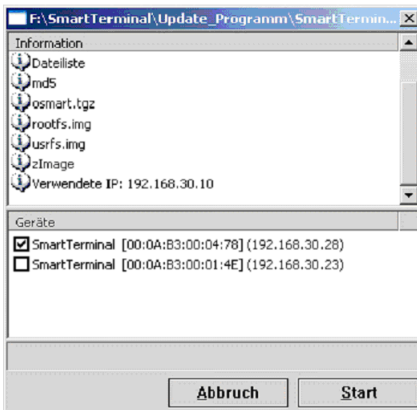


Fig. 2.10: Information window of the update program

5. Select the SmartTerminal that is to receive a software update by clicking the appropriate checkbox. The selection is then indicated by a tic.
6. Click **Start**. The data are sent to the SmartTerminal. The **Information** section of the window indicates the file currently being sent.



Note: Individual updating recommended.

When updating several SmartTerminals on a local network, we recommend updating the devices one after another.

The current status of the data transmission is indicated on the computer via a status bar.

The information window of the update program indicates when the data transfer is complete (**Abbruch** button changes to **Beenden**). Click **Beenden** to close the information window.

Internal processing of the data in the SmartTerminal then begins. This is indicated via a green progress bar on a red background in the display of the SmartTerminal. During this phase, the SmartTerminal may not be disconnected from the 230 V mains.



Important: Disconnection of the mains voltage will damage the operating system!

Disconnecting the mains voltage (e.g. by unplugging the mains plug) during internal processing will damage the operating system. Repairs must then be carried out by Gira at the factory.

After approx. 3 to 5 minutes, the colour of the display changes to green, and the operating button on the SmartTerminal changes from yellow to green. Internal processing is then complete.

Now proceed as follows:

1. Disconnect the power supply to the SmartTerminal for at least 30 seconds.
2. Disconnect the SmartTerminal from the commissioning computer and reconnect it to the network (if necessary).
3. Reconnect the power supply to the SmartTerminal.

Installation of the software update is now complete. The SmartTerminal will restart. Once restarted, check under

Settings/System Settings/Current Settings,

to determine whether the SmartTerminal has accepted the new software version. The current software version is now displayed under **Current Settings** (must be identical to the number x.xx of the update file).



Note: Repeat online registration.

Online registration must be repeated when the SmartTerminal has been updated (see "Online registration" on Page 60).



Note: Copying old settings.

Please refer to the release notes for your SmartTerminal to determine which old settings are to be copied after an update.

Release notes describe the changes made after a software update in comparison to the old program version. The current version accompanies the operator's manual of your SmartTerminal and can also be downloaded from the Internet at

<http://www.gira.com>

under **Information/Download.**

3. Configuration and basic settings

If the SmartTerminal was installed properly and the data transferred from the ETS, it is functional. To make optimum use of the desired scope of functions, it must be configured according to users' needs.

There are two configuration options for the SmartTerminal: the user settings and the system settings. Ideally, the installer configures the SmartTerminal as desired by the owner using the system settings during commissioning. He/she then provides it with password protection to prevent unauthorised persons from making changes. The user settings offer different users enough options to set up the SmartTerminal as they wish.



Note: Connection to a network is practical.

To utilise the full functional scope of the SmartTerminal, it should be connected to the EIB, the Internet and a building network (e.g. intranet).

The building network might be as simple as a router that establishes the connection to the Internet.

3.1 Overview of ports with fixed assignments

Specific ports on a network must be enabled for each function of the SmartTerminal, e.g. when the device is to be operated on a network with a firewall. The following table lists the corresponding ports used by the SmartTerminal:

Service/Use	Protocol	Port
File Transfer Protocol (FTP), data back-up and restoration	TCP	21
Simple Mail Transfer Protocol (SMTP), sending E-mail	TCP	25
Domain Name Server (DNS), online services, E-mail	UDP	53
WWW server (HTTP), update service	TCP	80
Post Office Protocol ver. 3 (POP 3), retrieving E-mail	TCP	110
Secure Socket Layer (SSL), online registration	TCP	443
Internet Mail Access Protocol (IMAP) over SSL	TCP	993
POP3 over SSL	TCP	995

FTP port 21 is used by the SmartTerminal to copy saved projects and for service purposes. Port 443 with its SSL encryption is provided for online registration.

3.2 Setting date and time

The date and time can be set under **Settings/User Settings/Date and Time**. Here you can select whether the data are to be constantly updated via the Internet (**Enable Time-Server** activated) or whether the date and time are specified once manually. The time is adjusted automatically once a day at 3:15 a.m. via the time server function if the function is activated.

User Settings		Friday, 18. February 2006	
Date and Time		13:15:20	
<input type="checkbox"/> Enable Time-Server			
Server:		ntp1-1.cs.tu-berlin.de	
Timezone:		1	
Date:		18 February 2006	
Time:		13:15	
<input type="checkbox"/> Enable Daylight Saving Time			
Back		Set	

Fig. 3.1: Date and Time mask

To set the date and time for your SmartTerminal, proceed as follows:

1. Select **Settings/User Settings/Date and Time** by turning and pressing the operating button. The **Date and Time** mask appears.
2. Activate **Enable Time-Server** if the date and time are to be updated via the Internet.
3. If you would like to enter the date manually: Select the **Date** line by turning the operating button. Confirm your selection by pressing the button.
4. Select the day by turning the operating button. Confirm your selection by pressing the button.
5. Select the month by turning the operating button. Confirm your selection by pressing the button.
6. Select the year by turning the operating button. Confirm your selection by pressing the button.
7. Activate **Enable Daylight Saving Time** if the time of the SmartTerminal is to be automatically adjusted for daylight savings.
8. Press the **Set** button (even if the time server is used). You are asked whether the time is to be reset.
9. Confirm with **OK**. Exit the **Date and Time** mask with **Back**.

3.3 Setting the language

The menu texts stored in the SmartTerminal can be displayed in German or English. German is set by default.



Note: Language settings apply for menu texts only.

Changing the language settings in your SmartTerminal only affects the menu texts stored in the SmartTerminal. Texts from other sources (e.g. online services or ETS) are still displayed in the language used previously.



Fig. 3.2: Language mask

To change the language of your SmartTerminal, proceed as follows:

1. Select **Settings/User Settings/Language** in the main menu by turning and pressing the operating button. The **Language** mask appears.
2. Select the desired language by turning the operating button. Confirm your selection by pressing the button. The new language is displayed next to **Current Language**.
3. Exit the **Language** mask via **Back**. Your selection is accepted.

3.4 Setting the weather region

The **Settings/User Settings/Local Weather** menu item enables the selection of a specific weather region for the weather display in Germany (e.g. Nordrheinland Westfalen/ Wuppertal). The weather data for the weather region set here are then displayed instead of the date and time on the main menu screen at the top right-hand side if you have specified this under **Settings/User Settings/User Controls/Display Status**. (See “Display status” on Page 40.)

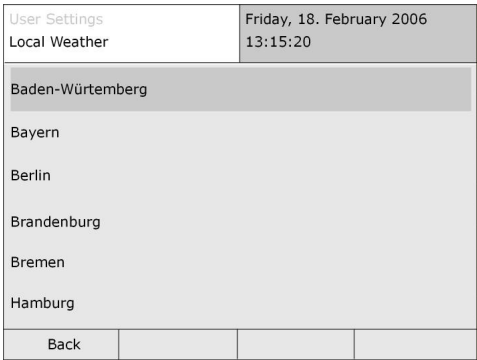


Fig. 3.3: Local Weather mask: state selection

To set the desired weather region for your SmartTerminal, proceed as follows:

1. Select **Settings/User Settings/Local Weather** in the main menu by turning and pressing the operating button. The mask of the same name then appears. A list of states appears (only in German language available).
2. Select the desired state by turning the operating button. Confirm your selection by pressing the button. A list of regions (only in German language available) in this state is displayed.
3. Select the desired region by turning the operating button. Confirm your selection by pressing the button. The new weather region is immediately displayed on the main menu screen if you have specified this under **Settings/User Settings/User Controls/Display Status**. (See “Display status” on Page 40.)

3.5 Configuration of the operating elements

Configuration of the operating button (setting of the colour and brightness of the back-lighting), the favourites keys (assignment of the function buttons for the main menu screen), the Standby mode (e.g. if it is to be in effect), text elements (creation and editing of text elements, which can then be used to create E-mails, for example), and the status display (selection between a display of weather data or date and time on the main menu screen) occurs under **Settings/User Settings/User Controls**.

3.5.1 Operating button settings

Select **Settings/User Settings/User Controls/Jogdial Settings** to set the behaviour and backlighting of the operating button.

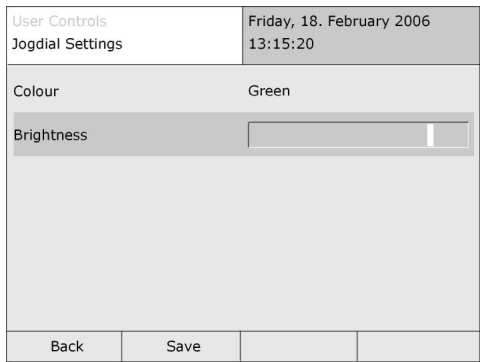


Fig. 3.4: Jogdial Settings mask

The following setting options are available:

- **Colour:** sets the backlighting colour of the operating button. You can choose between yellow and green.
- **Brightness:** Enables setting of the brightness for the backlighting via a slider bar.

Note: Usage of the operating button within a mask.

Highlight a menu item by turning the operating button. Select the desired menu item by pressing the button.

Turn the operating button again to switch between the various setting options within a menu item. Then select the desired setting option by pressing the button.

Once you have completed the settings in this mask, confirm your input/changes by pressing the **Save** button.

3.5.2 Configuration of the favourites keys

Three of the four favourites keys can be assigned any desired functions, scenes, screens or rooms in the main menu. The event screen is called up via favourites key 1.

User Controls	Friday, 18. February 2006		
Favorites	13:15:20		
Favorite Key 2	Scene Management		
Favorite Key 3	Weather		
Favorite Key 4	Picture of the day		
Back	Save		

Fig. 3.5: Favorites mask

To configure the favourites keys, proceed as follows:

1. Select **Settings/User Settings/User Controls/Favorites** in the main menu. The **Favorites** mask appears.
2. Select a key to which you would like to assign a function by turning the operating button.
3. Select the key by pressing the button. You are now presented with a list containing all the screens available in the SmartTerminal.
4. Select a screen which you would like to assign to the favourites key by turning the operating button.
5. Confirm your selection by pressing the button.
6. Press the **Save** button once you have assigned functions to all favourites keys as desired.
7. You will be asked whether you would like to save your settings. Confirm with **OK**.

You can now call up the screens in the main menu that you have assigned directly by using the favourites keys.

This also applies for individual scenes. To assign a scene to a favourites key, proceed as follows:

1. Select **Settings/User Settings/User Controls/Favorites** in the main menu. The **Favorites** mask appears.
2. Highlight a key to which you would like to assign a scene by turning the operating button.
3. Select the key by pressing the button. You are now presented with a list containing all the screens available in the SmartTerminal.
4. In this list, select the name **Scene: *name of the scene***.
5. Press the operating button. All scenes stored in the SmartTerminal are now displayed in the list (max. 32).
6. Select the scene to be started via the favourites key by turning the operating button.
7. Confirm your selection by pressing the button.
8. Exit the selection list by pressing the button again.
9. Press the **Save** button once you have assigned functions to all favourites keys as desired.
10. You will be asked whether you would like to save your settings. Confirm with **OK**.

You can now start the assigned scene directly by pressing the respective favourites key.



Note: Differentiation between scene screen and individual scenes.

Both the scene screen and individual scenes can be assigned to a favourites key via the procedure illustrated above. Note that you assign the scene screen in the list displaying all screens of the SmartTerminal via the **Scene Management** entry. Individual scenes appear under the name **Scene: *name of the scene*** in this list.

3.5.3 Setting up Standby mode


To preserve the display, the SmartTerminal can be switched to Standby mode while it is not being used. You can configure this operating mode under **Settings/User Settings/User Controls/Standby Mode**.

User Controls	Friday, 18. February 2006		
Standby Modus	13:15:20		
Standby after	10 Minutes		
Illumination	Pulsed		
Colour	Yellow		
Back	Save		

Fig. 3.6: Standby Mode mask

The following setting options are available:

- **Standby after:** specifies when Standby mode is to be activated when the SmartTerminal is not operated. You can choose between 1, 5, 10, 15 and 30 minutes here.
- **Illumination:** specifies whether the operating button is to signal Standby mode via its backlighting. You can switch the backlighting on or off or make it pulsate.
- **Colour:** specifies the colour of the backlighting of the operating button in case the button is to visually indicate Standby mode. You can choose between the colours of yellow and green.

**Note: Usage of the operating button within a mask.**

Highlight a menu item by turning the operating button. Select the desired menu item by pressing the button.

Turn the operating button again to switch between the various setting options within a menu item. Then select the desired setting option by pressing the button.

Once you have completed the settings in this mask, confirm your input/changes by pressing the **Save** button.

3.5.4 Creating text elements


Text elements can be created so that you can answer E-mails via the SmartTerminal quickly and without great effort. You can then insert these preset texts into an E-mail text in just a few steps with the operating button.



Fig. 3.7: Selection of text elements

To create a text element, proceed as follows:

1. Select **Settings/User Settings/User Controls/Text Elements** in the main menu. The **Text Elements** mask appears. A list of previously created text elements is displayed.
2. Highlight a text element by turning the operating button and select it by pressing the button to change an existing text element. Text is then entered in the same way as when creating a new text element.
3. Press the **Create** button to create a new text element. A mask enabling the composition of text then appears.
4. Enter a term or series of terms that briefly identify the text element next to **Please enter a name**.
5. Highlight the **Please enter a name** line by turning the operating button and select it by pressing the button. The text field next to **Please enter a name** is active, and a virtual keyboard appears at the bottom of the screen. The name you enter here is the title line of the text element and is displayed in the list of text elements.

**Note: Navigating through the screen keyboard.**

Switch Mode switches between uppercase and lowercase letters and number pad and special characters in the screen keyboard.

Delete removes the last letter entered in the input field.

Space enters a space in the input field.

- 6. Assign the individual letters by turning and pressing the operating button.
- 7. Complete entry of the name by selecting **OK**.
- 8. Highlight the text field for entry of the text element by turning the operating button and select it by pressing the button. The virtual keyboard appears at the bottom of the screen.
- 9. Enter your text in the same way as when you entered the name.
- 10.Complete entry of your text by pressing **OK**.
- 11.Press the **Save** button to save the new text element. You will be asked to confirm saving of the text element.
- 12.Confirm with **OK**. The data are saved. You can exit the mask via **Back**.

3.5.5 Display status

Under **Settings/User Settings/User Controls/Display Status**, you select whether the date and time or the weather data of the preset weather region are to be displayed in the status display on the main menu screen (see “Setting the weather region” on Page 34).

User Controls	Friday, 18. February 2006
Display Status	13:15:20
Select Type of Display: Clock	
Back	

Fig. 3.8: Display Status mask

3.6 E-mail settings

The SmartTerminal features the option of reading and quickly answering E-mails. It corresponds to a so-called E-mail client, but in no way replaces E-mail programs such as Microsoft Outlook or Microsoft Outlook Express. Maintenance and editing of E-mails is still performed using your E-mail program on your desktop or laptop computer.

The size of E-mails that may be displayed can be specified via the E-mail settings in the SmartTerminal. We recommend a setting of 20 K, even though a maximum size of 5,000 K is possible.



Note: Attachments are not displayed with E-mails.

E-mails are always displayed without any attachments, as the program in the SmartTerminal is only an E-mail client. For this reason, you should use the E-mail program on your desktop or laptop computer to call up and view attachments.

To call up E-mails from the server and display them on the SmartTerminal, you will require the access information available from your E-mail service provider.

If you would like to make changes, select an existing E-mail account from the list under **Settings/User Settings/E-Mail Accounts** by turning and pressing the operating button.

Press the **Create** button to create a new E-mail account. A mask then appears. You can highlight and activate specific options by turning and then pressing the operating button, or you will be presented with a text input field. A virtual keyboard for text entry appears at the bottom of the screen. This keyboard allows you to enter letters or previously created text elements (see "Creating text elements" on Page 39).




Note: Navigating through the screen keyboard.

Switch Mode switches between uppercase and lowercase letters and number pad and special characters in the screen keyboard.

Delete removes the last letter entered in the input field.

Space enters a space in the input field.



Note: Non-use of E-mail accounts or online services.

If you do not wish to use E-mail or online services, we recommend setting the corresponding retrieval interval under **System Settings/Online Intervals** to **Off**.

User Settings	Friday, 18. February 2006		
E-Mail-Accounts	13:15:20		
E-Mail Address	xxx@xxx.de		
Pin	<div>0000</div>		
Inbox			
Protocol	pop3		
Server			
Port			
Back	Save		Delete

Fig. 3.9: Top section of the mask for setting up an E-mail account

User Settings	Friday, 18. February 2006		
E-Mail-Accounts	13:15:20		
Max. E-Mailsize in kByte	20		
Login			
Password			
Encryption	no		
Outbox			
SMTP Server			
Port			
Login			
Password			
Back	Save		Delete

Fig. 3.10: Other sections of the mask for setting up an E-mail account

The following options are specified in the **E-Mail-Accounts** mask:

- **E-Mail Address:** Enter the E-mail address at which you normally receive your E-mails.
- **Pin:** Specify a PIN (personal identification number). The PIN is a combination of numbers that must be entered into the SmartTerminal by the user if he/she would like to view their E-mails. If four zeros were entered as the PIN here, the SmartTerminal does not prompt you for the PIN when reading E-mails.
- **Inbox/Protocol:** Specify the protocol for the incoming E-mail server of your E-mail account (e.g. POP 3, IMAP). You have received this data from your E-mail service provider.
- **Inbox/Server:** Specify the incoming E-mail server of your E-mail account (e.g. pop3.web.de). You have received this data from your E-mail service provider.
- **Inbox/Port:** Enter the port through which the protocol of the incoming E-mail server sends its data (e.g. port 110 or POP 3). See also "Overview of ports with fixed assignments" on Page 31.
- **Inbox/Max. E-Mailsize in kByte:** Specify the maximum size of E-mails to be displayed on the SmartTerminal. Note that E-mails larger than this size are not displayed. A default setting size of 20 K is recommended.
- **Inbox/Login:** Enter the login name that you use when you call up E-mails from your E-mail account over the Internet.
- **Inbox/Password:** Specify the password with which you can call up your E-mail account on the SmartTerminal.
- **Inbox/Encryption:** Specify the mechanism with which your E-mail data are encrypted during data transfer. If your provider uses POP3 over SSL, for example, specify SSL here. The encryption mechanism used here is mentioned in the documentation received from your E-mail service provider. The setting options are no, SSL-Verschlüsselung and TLS-Verschlüsselung.
- **Outbox/SMTP Server:** Specify the name of the SMTP server (SMTP: Simple Mail Transfer Protocol) of your E-mail service provider. You have received this data from your E-mail service provider.
- **Outbox/Port:** Specify the port through which your outgoing E-mails are to be sent. For SMTP, this is port 25 by default. See also "Overview of ports with fixed assignments" on Page 31.
- **Outbox/Login:** Enter the login name that you require to send E-mails from your E-mail account over the Internet. In general, you use the same password as with **Inbox/Login**.
- **Outbox/Password:** Specify the password with which you can activate your E-mail account on the SmartTerminal to send E-mails. In general, you use the same password as with **Inbox/Password**.

To save your data, press the **Save** button. The new E-mail account is displayed in the list under **E-Mail-Accounts**. This mask is exited via **Back**.



Note: Possible E-mail service providers.

The E-mail client of the SmartTerminal supports the protocols POP3, POP3 over SSL, IMAP, IMAP over SSL, SMTP, ASMTTP and SMTP and ASMTTP over TLS. This allows E-mail accounts with leading Internet service providers to be accessed.

Gira are motivated to regularly update the SmartTerminal according to the latest technological advancements. Read the release notes for your SmartTerminal for this reason.

Release notes describe the changes made after a software update in comparison to the old program version. The current version accompanies the operator's manual of your SmartTerminal and can also be downloaded from the Internet at

<http://www.gira.com> under **Information/Download**.

You can often find general background information on technological advances and possible developments here as well.

3.7 Setting display colours

You can set the background colours and font colours for the display of the SmartTerminal individually. These settings are made via **Settings/User Settings/Colours**.

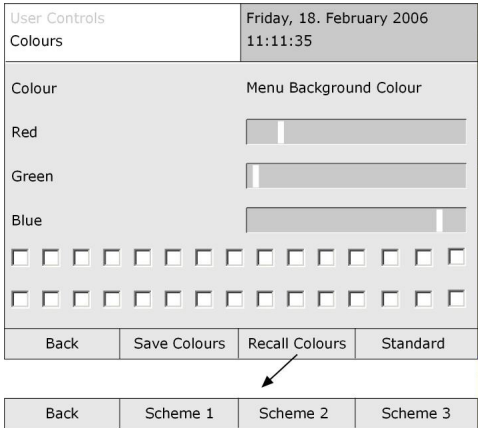


Fig. 3.11: Mask for setting the display colours.

The following options are available:

- **Colour:** Click this option to select the area for which you would like to change the pre-set colour from a list of areas. Once again, selection occurs by turning and pressing the operating button.
- **Red:** A press of the operating button on this option enables access to the displayed slider bar, with which the red portion for the area under **Colour** can be changed.
- **Green:** A press of the operating button on this option enables access to the displayed slider bar, with which the green portion for the area under **Colour** can be changed.
- **Blue:** A press of the operating button on this option enables access to the displayed slider bar, with which the blue portion for the area under **Colour** can be changed.
- Coloured boxes are found in the area under the slider bar for blue. A press of the operating button on one of these colours assigns the corresponding colour to the area selected under Colour.

- Save your settings as a colour scheme with **Save Colours**. A press of the **Save Colours** favourites key assigns colour schemes 2 through 4 to favourites keys 1 through 3. Pressing one of these keys saves your colour settings as a corresponding colour scheme.
- You can call up the saved colour scheme (max. three) via **Recall Colours**.
- You restore the factory-specified default settings for the colours of the user interface via **Standard**.
- Exit the mask with **Back**.

3.8 Creating and editing rooms

Data on rooms and functions transferred from the ETS to the SmartTerminal can be changed there at a later date. Menu item **Settings/System Settings/Navigation** either opens a mask allowing a list of existing rooms to be opened or opens a mask for creating a new room. Existing rooms can be linked to specific functions or change or delete their room or function names at a later date in this way.

The appearance of the **View/Edit Room** list reflects the rooms and functions already existent in the SmartTerminal. Once again, the operating button is used for control: turn to highlight, press to select.

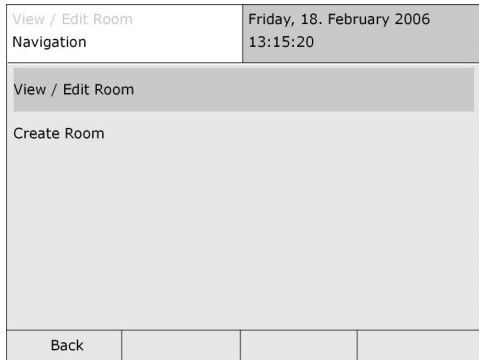


Fig. 3.12: Navigation mask


3.9 Update service

To be able to make permanent use of the full functional scope of the SmartTerminal, it makes sense to update the software and operating system (firmware) of the SmartTerminal when updates are made available. Gira will inform you of updates that you can download via the Internet.

To carry out an online update with the SmartTerminal, select **Settings/System Settings/Update Service** in the main menu. Follow the instructions displayed via the SmartTerminal.

Note that the device may not be operated during the phase when data is being transferred to the SmartTerminal.

If the SmartTerminal cannot be updated via the update service, it is also possible to perform an update by connecting it to a computer (see "Updating the firmware" on Page 27).



Note: Update service not yet enabled.

At present (September 2006), the Internet update service is not yet enabled. You can still update your SmartTerminal, however, by proceeding as described under "Updating the firmware" on Page 27.

Once the update service has been enabled, Gira will inform you of this via the usual channels of communication.

3.10 EIB configuration

Data points can be edited, event functions created and edited and EIB functions programmed at a later date under **Settings/System Settings/EIB Configuration**. You also set whether the SmartTerminal is connected to the EIB here.

System Settings	Friday, 18. February 2006		
EIB Configuration	13:15:20		
Edit Data Points			
Event Functions			
EIB present?			
EIB Programming			
EIB Timemaster			
Back			

Fig. 3.13: EIB Configuration mask

3.10.1 Editing a data point

To edit an existing data point, proceed as follows:

1. Select **Settings/System Settings/EIB Configuration/Edit Data Points** in the main menu. A list of all group addresses stored in the SmartTerminal appears.
2. Select the desired address. A mask with all the information on this data point stored in the SmartTerminal appears.
3. Make your changes and press the **Save** button.



Note: Modification of data points is limited.

The data points in the SmartTerminal are communication objects of the EIB project transferred from the ETS.

To prevent changes being made via the SmartTerminal, which would then have an effect on the EIB project, the options for modifying data points in the SmartTerminal have been limited.

It is not possible, for example, to change the listening or sending group address assigned to a data point via the option **Edit Data Points**.

The following display and setting options are available on the **Edit Data Points** mask:

- **Data Point:** Option to change the name of the selected data point.
- **Sending Group Address:** indicates the sending group address assigned to the selected data point. Modification only possible in ETS project.
- **Hearing Group Address:** indicates the listening group address assigned to the selected data point. Modification only possible in ETS project.
- **Datapoint Type:** indicates the EIS type assigned to the selected data point. Modification only possible in ETS project.
- **Unit:** freely editable text field. The data received via the EIB have no dimensions. For comprehensible representation during evaluation, it makes sense to assign the data a unit or dimension. The unit can be selected freely and entered via the virtual keyboard.

- **Factor:** The option to perform linear conversions using the equation $y = a * x + b$ is available in conjunction with the selected dimensions via the options **Faktor** and **Summand**. In this equation, a specifies the factor and b the summand. x corresponds to a value from the EIB and y designates the value processed further in the SmartTerminal (e.g. in the display). By default, 1 is entered for a and 0 for b so that the equation reduces to $y = x$.

Example:

A sensor sends data in the unit m/s. The data are to be logged in km/h: $\text{km/h} = 3.6 * \text{m/s}$
Here, the value of the factor is 3.6 and that of the summand is 0.

- **Summand/Offset:** corresponds to summand b in the equation $y = a * x + b$ (see explanation of **Factor**).
- **Indicate only:** If this function is activated via a tic, the group address can no longer be modified by the user; it is only displayed. It can no longer be selected in scenes and time functions (e.g. for the display of open windows or wind speeds).
- **Event:** If this function is activated via a tic, the group address can also be used for events. Events can include switching of the display to Standby mode, the display of message texts, limit value functions and the calling up of scenes.
- **Scan during Start:** If this function is activated via a tic, the corresponding group address is scanned on the EIB upon start-up.
- **Locked for Users:** If this function is activated via a tic, the group address is only processed internally and is no longer displayed.
- **Sendlock:** selection field with the options **None**, **Send Zero only** and **Send One only**.
- **Confirm on Sending:** If this function is activated, a confirmation prompt appears in the SmartTerminal if building functions are to be changed via the SmartTerminal. Only visible if the data point type is a 1-bit switching object.
- **asktoggle:** Activates the toggle function for the operating button of the SmartTerminal. Functions like switching on and switching off can then only be implemented via pressing of the operating button. Only visible if the data point type is a 1-bit switching object.
- **Shorttime Group Address:** Freely editable text field. Enables the input of the description for a short time command via the virtual keyboard. Can only be edited if the selected data point is a long time object.

3.10.2 Event Functions

Functions started by the SmartTerminal triggered by specific events can be created under **Settings/System Settings/EIB Configuration/Event Functions**. This could be red flashing of the operating button, for example, where a visual alarm is emitted.

User Settings	Friday, 18. February 2006
Event Functions	13:15:20
View / Edit Event	
Create Event	
Back	

Fig. 3.14: Event Functions mask

Select **View / Edit Event** if you wish to modify or view an existing event function. A list of existing event functions appears.

Select the function you would like to view or edit. The **Create Event** mask appears. You can make changes here in the same way as when you created a new event function.

Event Functions	Friday, 18. February 2006
Create Event	13:15:20
Please enter name:	
Result of the Event:	Normal Event
<input type="checkbox"/> Wake up Display	
Causing Data Point:	
Data Point Value < 0	
Back	Save
Administrator	

Fig. 3.15: Create Event mask

Select **Create Event** if you would like to create a new event function. The **Create Event** mask appears. The following input options are available here:

- **Please enter name:** Enter a name for the new event function. Highlight the **Please enter name** line by turning the operating button and select it by pressing the button. A virtual keyboard, with which you can enter the name, appears at the bottom of the screen.
- **Result of the Event:** Specify what is to be triggered by the event. You can choose between **Call Text/Display**, **Send Data Point** and **Call Scene**.
- **Wake up Display:** Activate this option if the display of the SmartTerminal is to be "woken up" from Standby mode when an event occurs.
- **Causing Data Point:** Select the data point that is to trigger the event.
- **Data Point Value:** Specify a condition that must be fulfilled so that the event (e.g. a warning) is carried out.
- **Text field:** A message text (burner malfunction, for example) is specified in the text field via a virtual keyboard.



Note: Usage of the operating button within a mask.

Highlight a menu item by turning the operating button. Select the desired menu item by pressing the button.

Turn the operating button again to switch between the various setting options within a menu item. Then select the desired setting option by pressing the button.

Once you have completed the settings in this mask, confirm your input/changes by pressing the **Save** button.



Note: Navigating through the screen keyboard.

Switch Mode switches between uppercase and lowercase letters and number pad and special characters in the screen keyboard.

Delete removes the last letter entered in the input field.

Space enters a space in the input field.

- Save your specifications with the **Save** button.

3.10.3 EIB present?

Specify whether the SmartTerminal is connected to the EIB under **Einstellungen/Systemeinstellungen/EIB Konfiguration/EIB vorhanden?**. Please make this setting so that malfunctions of the SmartTerminal may be avoided.

3.10.4 EIB Programming

Open the **EIB Programming** mask under **Settings/System Settings/EIB Configuration/EIB Programming** if you wish to transfer the data from the ETS to the SmartTerminal. If you have pressed the **Programming** button in this mask, the operating button illuminates red. You can now begin transferring data from the ETS. See also “Initial commissioning” on Page 10.

3.10.5 EIB Timemaster

The date and time can be sent to the EIB via the EIB time master.

EIB Configuration		Friday, 18. February 2006	
EIB Timemaster		11:30:45	
<input type="checkbox"/> Send Time on:			
<input type="checkbox"/> Send Date on:			
Intervall:		Off	
Please select Datapoint:			
Back	Save	Administrator	

Fig. 3.16: EIB Timemaster mask

To open the mask, select **Settings/System Settings/EIB Configuration/EIB-Timemaster**. The following setting options are available:

- **Send Time on:** Activate this option if the time is to be sent over the EIB.
- **Send Date on:** Activate this option if the date is to be sent over the bus.
- **Intervall:** Specify the intervals at which the date or time are to be sent over the bus.
- **Please select Datapoint:** Select the data point, to which the date or time is to be sent, from the list.

Save saves your changes, and **Back** exits the mask.

3.11 Current settings

An overview of all network and EIB settings of your SmartTerminal can be seen under **Settings/System Settings/Current Settings**. This screen is for display only, i.e. no configuration changes whatsoever can be made.

Set values that exceed the recommended maximum configuration (see information sheet on the current software update) are displayed in red.

3.12 Network configuration

Normally, you will have already carried out network configuration for your SmartTerminal via the Configuration Assistant. If a subsequent change must be made here, however, you can do it directly at the device under **Settings/System Settings/Network Configuration**. Then save your settings via the **Save** button.

The following settings are possible:

- **Use DHCP:** Abbreviation of "Dynamic Host Configuration Protocol". Enables dynamic configuration of the IP address and the associated information for the SmartTerminal. You should activate this option, for example, if the SmartTerminal is on a network where IP addresses are issued automatically, e.g. via a router with a DHCP setting.



Note: Activation of DHCP.

Once DHCP has been activated and saved, the fields for **IP**, **Netmask** and **Gateway** can no longer be changed. Any existing specifications become ineffective, since they are now automatically detected/issued via DHCP.

- **IP-Address:** Abbreviation of "Internet Protocol". Specify the IP address of the SmartTerminal on the network here. Only possible if DHCP is deactivated.
- **Netmask:** Specify the number of devices (e.g. computers) that can be connected to the current network, depending on the respective network class. By default, you should leave the net mask set to 255.255.255.0. Only possible if DHCP is deactivated.
- **Gateway/Router:** Specify the IP address of the gateway/router to be used to provide Internet access to the SmartTerminal. Only possible if DHCP is deactivated.
- **Nameserver/DNS:** Also called Domain Name Server (DNS). Specify the IP address of a server that converts a name (e.g. gira.de) into an IP address that can be addressed directly via the Internet. Only possible if DHCP is deactivated.

- **Transfer Volume:** Abbreviation of "Maximum Transmission Unit". First specify a value of 1,500 bytes. This is the maximum size of data packets in which information is split up during data transfer (e.g. on the Internet). If this setting causes problems with SmartTerminal data transfer, you can also reduce this value. Only possible if DHCP is deactivated.
- **Domain:** Enter the network address at which the SmartTerminal can be reached via the network (e.g. MySmartTerminal.com). Only possible if DHCP is deactivated.
- **Http Proxyserver:** If the network containing the SmartTerminal is connected to the Internet via an http proxy server, specify the name of the proxy server. Otherwise, the online and mail services of the SmartTerminal cannot be used. Only possible if DHCP is deactivated.

**Note: IP configuration at the SmartTerminal.**

The IP configuration need not be carried out via **Settings/System Settings/Network Configuration** in the SmartTerminal. It can also be performed in the Configuration Assistant of the SmartTerminal in the ETS (see "IP Configuration" on Page 16).

**Important: Internet connection costs!**

An Internet connection for the SmartTerminal is required if online services and E-mail functions are to be used. Costs accrue when the SmartTerminal dials in to the Internet. These costs are not covered by Gira.

Gira are also not liable, either legally or otherwise, for dial-in costs accrued due to improper installation of the SmartTerminal.

3.13 Data back-up

You can back-up system settings and/or the EIB settings for your SmartTerminal. To make a back-up, proceed as follows:

1. Select **Settings/System Settings/Data Backup** in the main menu. The **Data Backup** mask appears.
2. Activate **System Settings** and/or **EIB Settings** by turning and pressing the operating button.
3. Highlight one of the fields below the two menu items.
4. Press the operating button and wait a moment. The name of the data back-up with the date and time appears in the selected field.

To copy a data back-up back to your SmartTerminal, proceed as follows:

1. Select **Settings/System Settings/Data Backup** in the main menu. The **Data Backup** mask appears.
2. Select the field with the back-up you wish to copy.
3. Press the **Recover** button. You are asked whether the data are to be restored.
4. Confirm with **OK**. Your back-up data are copied back into the SmartTerminal.

You can delete existing data back-ups with the **Delete** button.

3.14 User rights

Enables the assignment of user rights for any desired menu screens. So-called user profiles can be created (user administration), in which up to four users can be assigned PIN numbers. In addition, specific menu screens can be assigned to a user profile (PIN protection) so that the respective user only has access to the screens intended for him/her after entering his/her PIN.

3.14.1 User administration

User Rights	Friday, 18. February 2006			
User Accounts	13:15:20			
Administrator	9	9	9	9
User 1	1	1	1	1
User 2	2	2	2	2
User 3	3	3	3	3
User 4	4	4	4	4
Back				

Fig. 3.17: User administration mask

To create different users, proceed as follows:

- 1. Select **Settings/System Settings/User Rights/User Accounts** in the main menu. The **User administration** mask appears.
- 2. Highlight the existing user, whose name and/or PIN you would like to change, by turning the operating button. Select the user by pressing the button.
- 3. Enter a new name for the user by selecting the old name by pressing the button. A virtual keyboard appears at the bottom of the screen.
- 4. Complete entry of the name with **OK**.
- 5. Turn the operating button to access the first number field for entry of the PIN.
- 6. Press the button.
- 7. Select a number between 0 and 9 for the first digit of the PIN by turning the operating button.
- 8. Press the operating button and switch to the next number field.
- 9. Repeat this process until you have specified the entire desired PIN.

10. Complete entry for the respective user by pressing **OK**.
11. Once you have created all users, exit the mask with **Back**. The changed data are accepted.

3.14.2 PIN protection

User Rights	Friday, 18. February 2006			
User Accounts	13:15:20			
Page	User 1	User 2	User 3	User 4
Mainmenu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Settings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
System Settings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Settings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back	General	Rooms	Scenes	

Fig. 3.18: PIN protection mask

To set up access protection for specific screens, proceed as follows:

1. Select **Settings/System Settings/User Rights/PIN Secure** in the main menu. The **PIN protection** mask appears. A table is displayed in this mask. Using this table, you assign a user specific screens of the SmartTerminal to which he/she is to have access. If a user has not been assigned, the screen is freely accessible. In addition to the general screens of the SmartTerminal, rooms and scenes can be assigned via the **General**, **Rooms** and **Scenes** buttons.
2. Highlight a screen, which you would like to assign to one or more users, by turning the operating button and select it by pressing the button.
3. Highlight a function field that belongs to the desired user, who is to be allowed access to the selected screen, by turning the operating button.
4. Place a tic in the desired function field by pressing the button.
5. Repeat this process for each user to whom you would like to assign this screen.
6. Press **OK** once you have assigned the selected screen to all users who are to have access.
7. Repeat the assignment for other screens if desired.
8. Save your specifications with **Back**.

3.15 Online intervals

Under **Settings/System Settings/Online Intervalls**, specify the intervals at which the SmartTerminal is to retrieve E-mails from your provider and the intervals at which the content of the online services is to be updated. Note that some E-mail service providers do not allow a retrieval interval of less than 30 minutes.

System Settings		Friday, 18. February 2006	
Online Intervalls		13:15:20	
Call Online Services immediately			
Mail-Check Intervall		Every 30 Minutes	
Online Services Intervall		Every 15 Minutes	
Back		Save	

Fig. 3.19: Online Intervalls mask



Important: Internet connection costs!

An Internet connection for the SmartTerminal is required if online services and E-mail functions are to be used. Costs accrue when the SmartTerminal dials in to the Internet. These costs are not covered by Gira.

Gira are also not liable, either legally or otherwise, for dial-in costs accrued due to improper installation of the SmartTerminal.

Online services are called up selectively. This means that the SmartTerminal always downloads only the newest information from the Internet at the set interval. This reduces the data volume considerably.

The following setting options are available:

- **Call Online Services Immediately:** updates the contents of the online services in your SmartTerminal.
- **Mail-Check Intervall:** Specify the intervals at which the SmartTerminal is to retrieve your E-mails from your E-mail service provider. You can choose between Aus, Every 5, 15 and 30 Minutes, jede Stunde and einmal am Tag.
- **Online Services Intervall:** Specify the intervals at which the SmartTerminal is to retrieve the contents of the online services from the respective provider. You can choose between Aus, alle 1, 2, 3, 6, 8, 12 Stunden and einmal am Tag. The starting time of an interval is not necessarily on the hour. When saving an interval, the time of saving is used as the reference time for the interval. If a user saves the set interval of 2 hours at 2:21 p.m., for example, the service is automatically called up again at 4:21 p.m..
- Save your settings with **Save**.



Note: Usage of the operating button within a mask.

Highlight a menu item by turning the operating button. Select the desired menu item by pressing the button.

Turn the operating button again to switch between the various setting options within a menu item. Then select the desired setting option by pressing the button.

Once you have completed the settings in this mask, confirm your input/changes by pressing the **Save** button.



Note: Non-use of E-mail accounts or online services.

If you do not wish to use E-mail or online services, we recommend setting the corresponding polling interval under **System Settings/Online Intervalls** to **Off**.

3.16 Online registration

To use the online services of the SmartTerminal for Germany, you must register. Registration is used for internal processing purposes.



Important: Responsibility for contents of the online services of each provider.

Please note the following when registering for online services:

- To receive online services, the technical requirements must be fulfilled.
- The personal information you provided is used solely for registration purposes and is only required for internal processing. The data are not passed on to third parties.
- By filling out the registration form, you are accepting our general terms of business (<http://www.gira.com>). Gira reserve the right to reduce or expand the offering of online services without prior notice. The provider of the respective online service is responsible for the contents. Gira are not liable, either legally or otherwise, for problems or disadvantages arising from the use of information from the online services.
- The use of online services in the SmartTerminal is intended for private informational purposes. Any other use is impermissible unless the service in question has been agreed upon by the provider.

Registration is carried out under **Settings/System Settings/Online Registry**. A mask then appears, in which you must enter some personal information. This includes your name, address, post code and city/town. Fields marked with an asterisk must be filled out in order for registration to be successful.

To fill out the text fields, you will again use the virtual keyboard. It is used in the same way as with the screen masks of the SmartTerminal.

Once you have entered all your information, press the **Send** button. The completed registration form is sent and the online services are available to your SmartTerminal.



Note: Reregistering after a firmware update.

Carry out online service registration again after a firmware update has been performed (see "Updating the firmware" on Page 27).

3.17 Shutting down/restarting the system

A mask allowing the operating system of the SmartTerminal to be shut down or restarted is opened under **Settings/System Settings/System Shutdown/Restart**.



Note: Restarting the SmartTerminal.

Deactivating/restarting the SmartTerminal must always occur via the menu item **System Shutdown/Restart**.

You can choose between the settings **System Reboot** and **The System will be shut down** here. It is in this way that the SmartTerminal is given a defined status.

4. Operation

4.1 Operating elements of the SmartTerminal and navigation

The SmartTerminal consists of a colour graphical display (1), an operating button (3) and four favourites keys (2). Navigation through the menu and selection of menu items occurs using the two-colour backlit operating button. To highlight a menu item, turn the operating button. To select a menu item, press the button.

Except for favourites key 1, all keys in the main menu can be set individually. Key 1 opens the event log, and all other keys can be assigned functions, rooms, scenes or menu screens.



Fig. 4.1: Operating elements of the SmartTerminal

**Note: Pressing and holding the Back key.**

Pressing and holding the first favourites key (for approx. 2 seconds) jumps from any sub-menu screen to the main menu.

**Note: Display brightness.**

To adjust the brightness of the display, press the second favourites key from the left and turn the operating button at the same time. The current menu screen is irrelevant here.

**Note: Restarting the SmartTerminal.**

Deactivating/restarting the SmartTerminal must always occur via the menu item **Settings/System Settings/System Shutdown/Restart**.

You can choose between the settings **System Restart** and **The system will be shut down** here. It is in this way that the SmartTerminal is given a defined status.

4.2 User interface of the SmartTerminal

The user interface appears in the graphical display of the SmartTerminal. Here you select and view the data that interest you via menus and submenus.

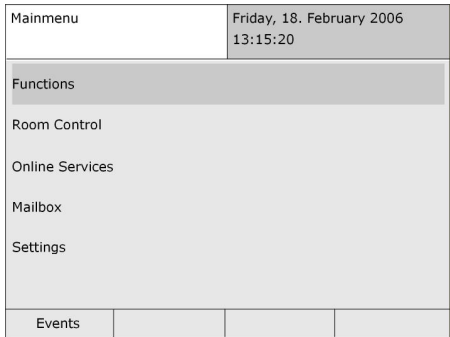


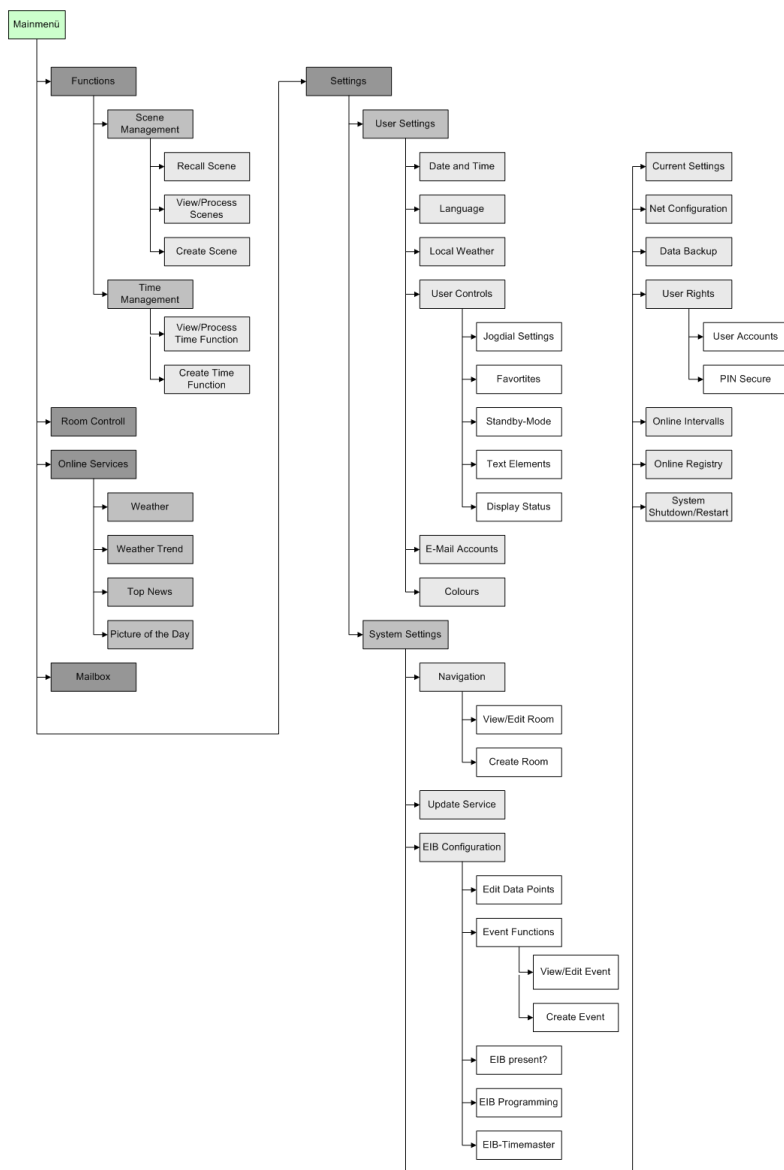
Fig. 4.2: Main menu screen of the SmartTerminal

The user interface consists of a header section, a main section and a bottom section. The current menu/submenu is always displayed at the left in the header section. The date and time display or the regional weather display appears to the right of this. What is displayed depends on the basic settings made in the SmartTerminal (see “Settings” on Page 78).

The main section displays the individual menu items. Turn the operating button to highlight the desired menu item. If you press the operating button, the highlighted menu item is opened. You are then brought to a submenu or an operating or display screen.

The navigation elements are displayed in the bottom section (e.g. **Back**, **Events** etc.). If you press the favourites key located below a selection, the corresponding command is executed (e.g. jumping back to the main menu screen).

4.2.1 Overview of the menu structure in the SmartTerminal



4.2.2 Main menu

You can call up the following submenus via the main menu:

- Functions (connection to EIB required).
- Room Control (connection to EIB required).
- Online Services (network or Internet connection required).
- Mailbox (network or Internet connection required).
- Settings.
- Events (only via favourites key 1).

4.3 Functions

You monitor and configure your EIB building functions in the **Functions** section. You can create and edit scenes and create, display and delete functions to be executed or stopped at a certain time. Connection to the EIB is required for use of this section.

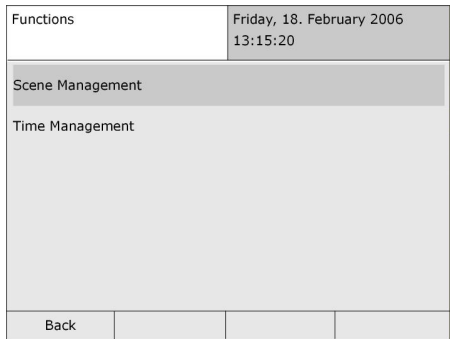


Fig. 4.3: Functions mask

4.3.1 Scene Management

You can create, edit and delete scenes (i.e. light scenes) under **Scene Management**.

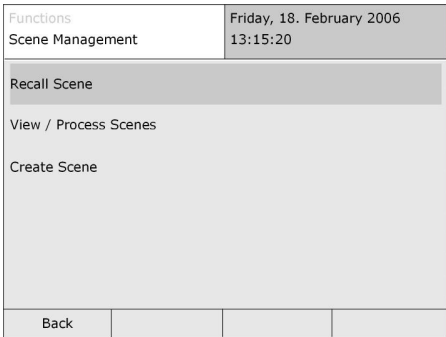


Fig. 4.4: Scene Management menu

To create a scene, proceed as follows:

Scene Management		Friday, 18. February 2006	
Process Scenes		13:15:20	
Please enter a name: <input type="text"/>			
Please select Data Point			
Delay in sec. between the Data Points 0			
Question Data Points			
A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
Y	Z		
Ä	Ö	Ü	OK
Back	Space	Administrator	Switch Mode

Fig. 4.5: Creating or editing a scene

1. Select **Functions/Scene Management/Create Scene** in the main menu. The **Create Scene** mask appears.
2. Enter a name for the new scene. For this purpose, highlight the menu item **Please enter a name** and press the operating button. A keyboard allowing you to select individual letters and insert them on the input line via turning and pressing appears at the bottom of the screen.
3. Select **OK** when you have entered the desired name.
4. Highlight **Please select Data Point** and press the operating button. A list of group addresses created in your project appears.
5. Select the desired address and press the operating button. The address is applied. Note that a group address may be used only once within a scene.
6. Select a delay by highlighting **Delay in sec. between the Data Points** and pressing the operating button. Then turn the button. You can select any whole number between 0 and 60. The delay is the time between two triggered data points.
7. Press the operating button when you have selected a value.
8. Select **Question Data Points**. You will be asked whether the values of the devices are to be polled and the scene adapted. The current settings of the data points in the house are output and saved.
9. Confirm with **OK** when an existing scene is to be adapted. **Back** brings you back to the **Create Scene** mask.
10. Press the **Save** function button when you are back in the **Create Scene** mask. You are asked whether the scene is to be saved.
11. Confirm with **OK**. The new scene is saved.

To view or modify existing scenes, select **Functions/Scene Management/View / Process Scenes** in the main menu. A list appears, from which you select the desired scene. The **Process Scenes** mask appears. To change the existing scene, proceed as described under **Create Scene**.

To delete a scene, call it up under **View/Process Scenes**. Press the **Delete** function button. You will be asked whether you would like to delete the open scene. Confirm with **OK** to delete the scene.

Under **Recall Scene**, you select the scene you wish to activate from a list of scenes.



Note: Navigating through the on-screen keyboard.

Switch Mode switches between uppercase and lowercase letters and number pad and special characters in the screen keyboard.

Delete removes the last letter entered in the input field.

Space enters a space in the input field.

4.3.2 Time Management

You create time functions under **Time Management**. You can also display existing time functions.

Functions	Friday, 18. February 2006 13:15:20
Time Management	
View Time Function	
Create Time Management	
Back	

Fig. 4.6: Time Management menu

To create a time function, proceed as follows:

Time Management	Friday, 18. February 2006 13:15:20
New Time Function	
Name:	Time Function 26
Aktive:	Yes
Please select Data Point:	1/3:EIS 1 Schalten 4 (1/0)
Weekdays	Mo Di Mi Do Fr Sa So
Timer 1	00:00 Uhr
<input type="checkbox"/> Timer 2 active Timer 2 00:00 Uhr	
Back	Save

Fig. 4.7: Creating a new time function

1. Select **Functions/Time Management/Create Time Management** in the main menu. The **New Time Function** mask appears.
2. Enter a name for the new time function. For this purpose, highlight the menu item **Name** and press the operating button. A keyboard allowing you to select individual letters and insert them on the input line via turning and pressing appears at the bottom of the screen.
3. Select **OK** when you have entered the desired name.
4. Highlight **Please select Data Point** and press the operating button. A list of group addresses created in your project appears.

5. Select the desired address and press the operating button. The address is applied.
6. Select the weekday and time when the time function is to be executed. In addition, specify the functions to be executed (e.g. ON, OFF), values, second time etc.. Only selected weekdays are displayed.
7. Press the **Save** function button when you are back in the **Create Time Function** mask. You are asked whether the time function is to be saved.
8. Confirm with **OK**. The new time function is saved.



Note: Navigating through the screen keyboard.

Switch Mode switches between uppercase and lowercase letters and number pad and special characters in the screen keyboard.

Delete removes the last letter entered in the input field.

Space enters a space in the input field.

To view or modify existing time functions, select **Functions/Time Management/View Time Function** in the main menu. A list appears, from which you select the desired time function. The **Edit Time Function** mask appears. To change the existing function, once again proceed as described for **creating a time function**.

To delete a time function, call it up via **View Time Function** and open the editing mask. Press the **Delete** favourites key. You will be asked whether you would like to delete the open time function. Confirm with **OK** to delete the function.

4.4 Room control


Using the Configuration Assistant in the ETS, select the group addresses (and thus the building functions) that are transferred to the SmartTerminal. The cleaner the programming of building functions in the ETS, the easier it is to use the full functional scope in the SmartTerminal.

All rooms containing functions that were transferred from the ETS to the SmartTerminal are displayed under **Room Control**. To change functions or add new functions, select the corresponding room. An additional submenu appears and displays the functions (e.g. Leuchte 1, Lüftung etc.) and the respective switching or dimming states. Active switching states are greyed out.

In addition to changing and deleting functions, new functions can also be added. (See "Creating and editing rooms" on Page 46.)

4.5 Online Services

You can display information, such as weather data, news and pictures of the day, via the menu item **Online Services**.

**Note: Applicability of online services.**

The online services in the SmartTerminal are available to any user with an Internet connection. These are, however, German-language services, which are primarily meant for use within Germany.

Online services for the SmartTerminal can be ordered via **Settings/System Settings/Online Registry** (Germany only).

4.5.1 Display of weather data

To display weather data for a specific region, proceed as follows:

- 1. Select **Online Services** in the main menu by turning the operating button until the menu item is greyed out.
- 2. Press the operating button. The **Online Services** menu appears.
- 3. Select **Weather**.
- 4. Press the operating button. The **Online Services Weather** menu appears.
- 5. Press the operating button. The weather data for the selected region are displayed.
Note that your Internet service provider is solely responsible for the display and updating of information.





Weather NRW / Wuppertal		 Region Wuppertal At Daytime 8 At Night -3	
	20.02.2006 Monday	21.02.2006 Tuesday	22.02.2006 Wednesday
At Daytime	8	10	9
At Night	-3	-2	2
			
Back			

Fig. 4.8: Display of the weather data for the region of Wuppertal, Germany

You can display the weather forecast for the next few days via the menu item **Weather Trend**. Once again, selection occurs by turning and pressing the operating button.

4.5.2 Displaying news

To display the news (Top News), proceed as follows:

1. Highlight **Online Services** in the main menu.
2. Press the operating button. The **Online Services** menu appears.
3. Highlight **Top News**.
4. Press the operating button. The news screen is displayed. Note that your news provider is solely responsible for the display and updating of content.
5. Turn the operating button to navigate up or down on the screen. The favourites keys will either bring you back to the previous screen, back to the main menu (press and hold **Back**) or to the next message screen (press the **Next** button).



Fig. 4.9: Displaying news

4.5.3 Displaying the picture of the day

To display the picture of the day, proceed as follows:

1. Highlight **Online Services** in the main menu.
2. Press the operating button. The **Online Services** menu appears.
3. Highlight **Picture of the Day**.
4. Press the operating button. The picture of the day is displayed. Note that your news provider is solely responsible for the display and updating of content.

Turn the operating button to navigate up or down on the screen. Pressing the **Back** favourites key brings you back to the previous screen or back to the main menu (pressing and holding).

4.6 Mailbox

After selecting the menu item **Mailbox**, you will be asked to enter your PIN (if PIN protection is activated). You will then see a mask with your E-mail accounts stored in the SmartTerminal.

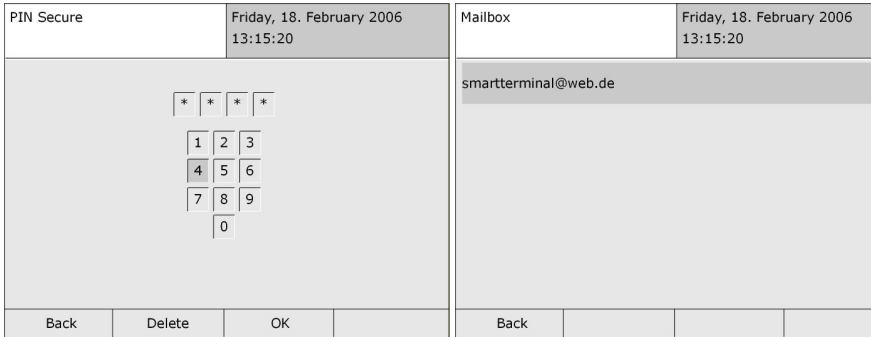


Fig. 4.10: Mailbox menu and PIN entry

Select the desired E-mail account by turning and pressing the operating button. A mask appears, in which you can open your inbox or create a new E-mail.

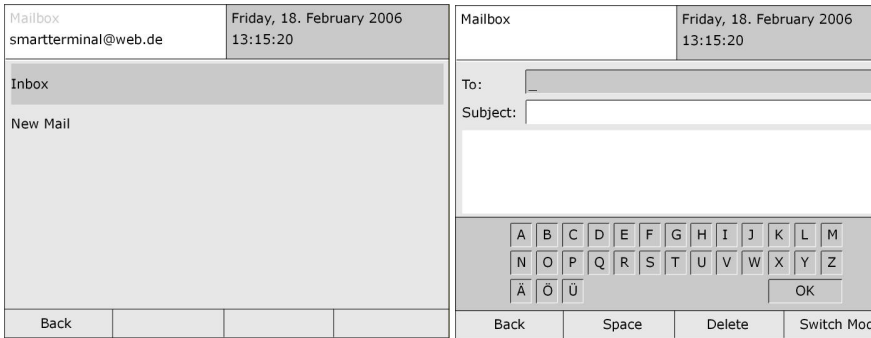


Fig. 4.11: Mailbox and E-mail creation

If the **Mailbox** mask is currently open, the number of E-mails found in your mailbox on the server of your E-mail service provider and the number that the SmartTerminal has already called up (e.g. 4 of 8) are displayed in the top left-hand area of the header section.

This display informs you that the SmartTerminal could not retrieve all E-mails due to the size limitation (see also "E-mail settings" on Page 41).

To create a new E-mail message:

1. Select **New Mail** in your mailbox. An E-mail window appears. It is divided into the address line, in which you enter the E-mail address of the recipient, the subject line and a text field. An on-screen keyboard appears at the bottom of the mask.
2. Enter the E-mail address. For this purpose, select the area **To:** and press the operating button. Select the individual letters on the keyboard at the bottom of the screen by turning and pressing the operating button and insert them on the address line.
3. Enter text on the subject line in the same manner.
4. Enter your E-mail text. Use the same method described above to enter the text.
5. Finish creating your E-mail with **OK**. You will be asked whether you would like to send your E-mail.
6. Confirm with **OK** once again. Your message is transferred from the SmartTerminal to your E-mail service provider and sent to the desired recipient from there.



Note: Using text elements.

To make writing E-mails easier, text elements can also be called up via the screen keyboard.

You can create text elements under **User Settings/User Controls/Text Elements** (see "Creating text elements" on Page 39).



Note: Navigating through the screen keyboard.

Switch Mode switches between uppercase and lowercase letters and number pad and special characters in the screen keyboard.

Delete removes the last letter entered in the input field.

Space enters a space in the input field.

4.7 Settings

Basic settings for everyday use of the SmartTerminal are made here. A differentiation between user settings and system settings is made here.

In general, the system settings are made by the installer who installs and commissions the SmartTerminal. The **System Settings** screen should also only be accessible via entry of a password so that the data stored there cannot be changed by unauthorised persons. The user settings enable every user to create the optimum configuration for him-/herself.

4.7.1 User settings

The following properties can be changed in the user settings:

- **Date and Time:** enables the entry or modification of the date and time. You can select whether these data are updated automatically via the Internet or manually. (See "Setting date and time" on Page 32.)
- **Language:** The menu texts stored in the SmartTerminal can be displayed in various languages. German and English are available for the SmartTerminal. (See "Setting the language" on Page 33.)



Note: Language settings apply for menu texts only.

Changing the language settings in your SmartTerminal only affects the menu texts stored in the SmartTerminal. Texts from other sources (e.g. online services or ETS) are still displayed in the language used previously.

- **Weather:** enables the selection of a specific weather region. The weather data for the weather region set here are then displayed in the top right-hand corner instead of the date and time. (See "Setting the weather region" on Page 34.)
- **Operating elements:** enables configuration of the operating button (setting of the colour and brightness of the backlighting), the favourites keys (assignment of the favourites keys for the main menu screen), the Standby mode (e.g. if it is to be in effect), text elements (creation and editing of text modules, which can then be used to create E-mails, for example), and the status display (selection between a display of weather data or date and time on the main menu screen). (See "Configuration of the operating elements" on Page 35.)
- **E-Mail settings:** You create an E-mail account for each user of the SmartTerminal with this menu item. A PIN (Personal identification Number) can be stored for each account. In addition, all settings used for the retrieval of E-mails from a specific E-mail service provider are made here. (See "E-mail settings" on Page 41.)
- **Colours:** The colours for the menu display are selected here. Font colour and background colours for the individual areas of the display can be easily selected and assigned here. You can also set your own colours. (See "Setting display colours" on Page 45.)

4.7.2 System settings

The following properties and functions can be edited in the system settings:

- **Navigation:** Data on rooms and functions transferred from the ETS to the SmartTerminal can be changed there at a later date. Menu item **Settings/System Settings/Navigation** either opens a mask allowing a list of existing rooms to be opened or opens a mask for creating a new room. Existing rooms can be linked to specific data points or change or delete room or function names at a later date in this way. The appearance of the **View/Edit Room** list reflects the rooms and functions already existent in the SmartTerminal. Once again, the operating button is used for control: turn to highlight, press to select. (See "Creating and editing rooms" on Page 46.)
- **Update service:** At present (September 2006), the Internet update service is not yet enabled. Gira will, however, inform you of availability via the usual channels of communication. (See "Updating the firmware" on Page 27 and "Update service" on Page 47.)
- **EIB configuration:** Opens a mask in which you can change data points, create/edit event functions and transfer data from the ETS. You also set whether the SmartTerminal is connected to the EIB here. (See "EIB configuration" on Page 47.)
- **Current settings:** provides an overview of all network and EIB settings of your SmartTerminal. This screen is for display only, i.e. no configuration changes whatsoever can be made. (See "Current settings" on Page 53.)
- **Network configuration:** Opens a mask in which you can view the current network configuration of your SmartTerminal. The configuration can also be changed here at a later date. (See "Network configuration" on Page 53.)
- **Data back-up:** With this menu item, you can back-up system settings and/or the EIB settings for your SmartTerminal. The backed-up settings can also be restored via this menu item at a later date. In addition, back-up files that are no longer required can be deleted. (See "Data back-up" on Page 55.)
- **User rights:** Enables the assignment of user rights for any desired menu screens. So-called user profiles can be created, and specific screens can be provided with PIN protection. Specific menu screens can be assigned to a user profile so that the respective user only has access to the screens intended for him/her after entering his/her PIN. (See "User rights" on Page 56.)

- **Online intervals:** Specify the intervals at which the SmartTerminal is to retrieve E-mails from your provider and the intervals at which the content of the online services is to be updated. Please note that some E-mail service providers do not allow a retrieval interval of less than 15 minutes. (See "Online intervals" on Page 58.)
- **Online registration:** The available online services can only be utilised in Germany after successful online registration. (See "Online registration" on Page 60.)



Important: Responsibility for contents of the online services of each provider.

Please note the following when registering for online services:

- To receive online services, the technical requirements must be fulfilled.
- The personal information you provided is used solely for registration purposes and is only required for internal processing. The data are not passed on to third parties.
- By filling out the registration form, you are accepting our general terms of business (<http://www.gira.com>). Gira reserve the right to reduce or expand the offering of online services without prior notice. The provider of the respective online service is responsible for the contents. Gira are not liable, either legally or otherwise, for problems or disadvantages arising from the use of information from the online services.
- The use of online services in the SmartTerminal is intended for private informational purposes. Any other use is impermissible unless the service in question has been agreed upon by the provider.

- **Shutting down/restarting the system:** enables the SmartTerminal to be restarted. (See "Shutting down/restarting the system" on Page 61.)

Notes

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