Roth

Energy systems

Control system EnergyLogic Wireless control Touchline

User manual iPhone App
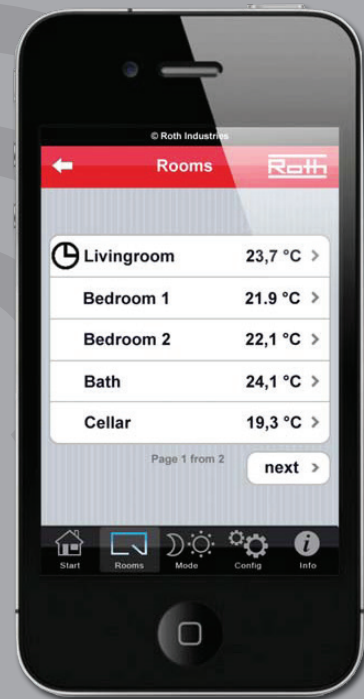
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← Rooms **Roth**

🕐 Livingroom 23,7 °C >
Bedroom 1 21.9 °C >
Bedroom 2 22,1 °C >
Bath 24,1 °C >
Cellar 19,3 °C >

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Start Rooms Mode Config Info

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Living full of energy

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1 Introduction

The iPhone connection to the Roth EnergyLogic Touchline control system enables remote access with full operational control of the system. Once installed it is possible to read actual temperatures, to change setpoints, and to check and change the mode of operation of each individual wireless room thermostat. In addition it is possible to change the mode of operation of the entire system with just one touch.

The iPhone App can be used for iPhone, iPad and iPod touch. For the iPod touch, however, only within a WLAN network.

System topology

The iPhone can be connected to a home network by using a WLAN router. In addition it is possible to access the system via Internet by using the Roth portal server. The use of a WLAN router is obligatory in order to set up the system.
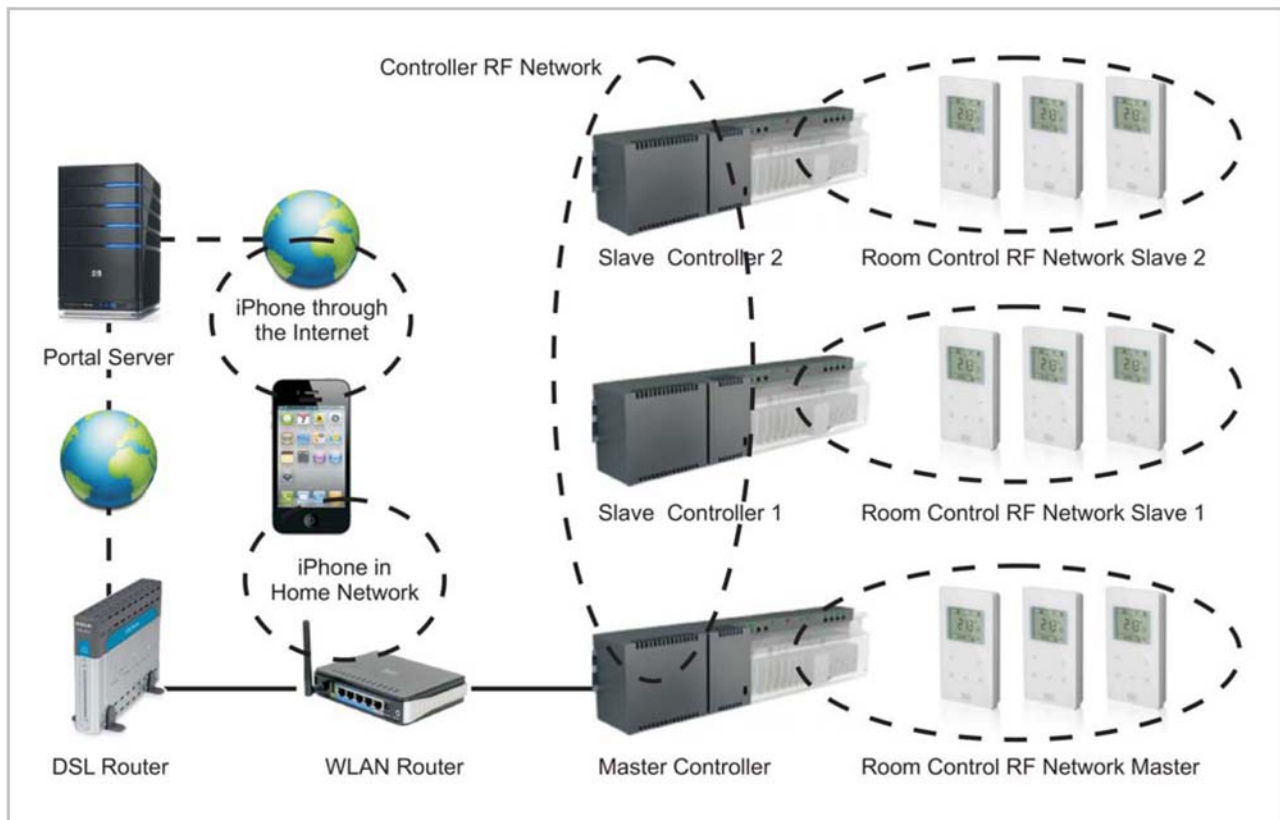

Fig. 1: Topology wireless connection module(s) with iPhone

NOTE

If the home network doesn't comprise a WLAN router, it is possible to install a WLAN router temporarily until the system using the portal server is set up. After that the WLAN router can be removed again and the master wireless connection module is connected directly to the DSL router. All communication will be done by Internet.

2 Connect Master Controller to WLAN Router

In order to connect the iPhone to the controller, the master wireless connection module must be connected first to a WLAN router.

NOTE	*The WLAN router can only be connected to a master controller. A master controller can be identified by the master LED (must be on). In a system with two or three controllers there is always a master controller. If only one controller is installed, it is possible that this controller is not set as master. To set this controller as master: push the master button 10 seconds. For further details please read the User Manual Touchline.*

► Switch off master controller. Connect the master controller to the WLAN router in accordance with figure 1, section 3. Switch on master controller.
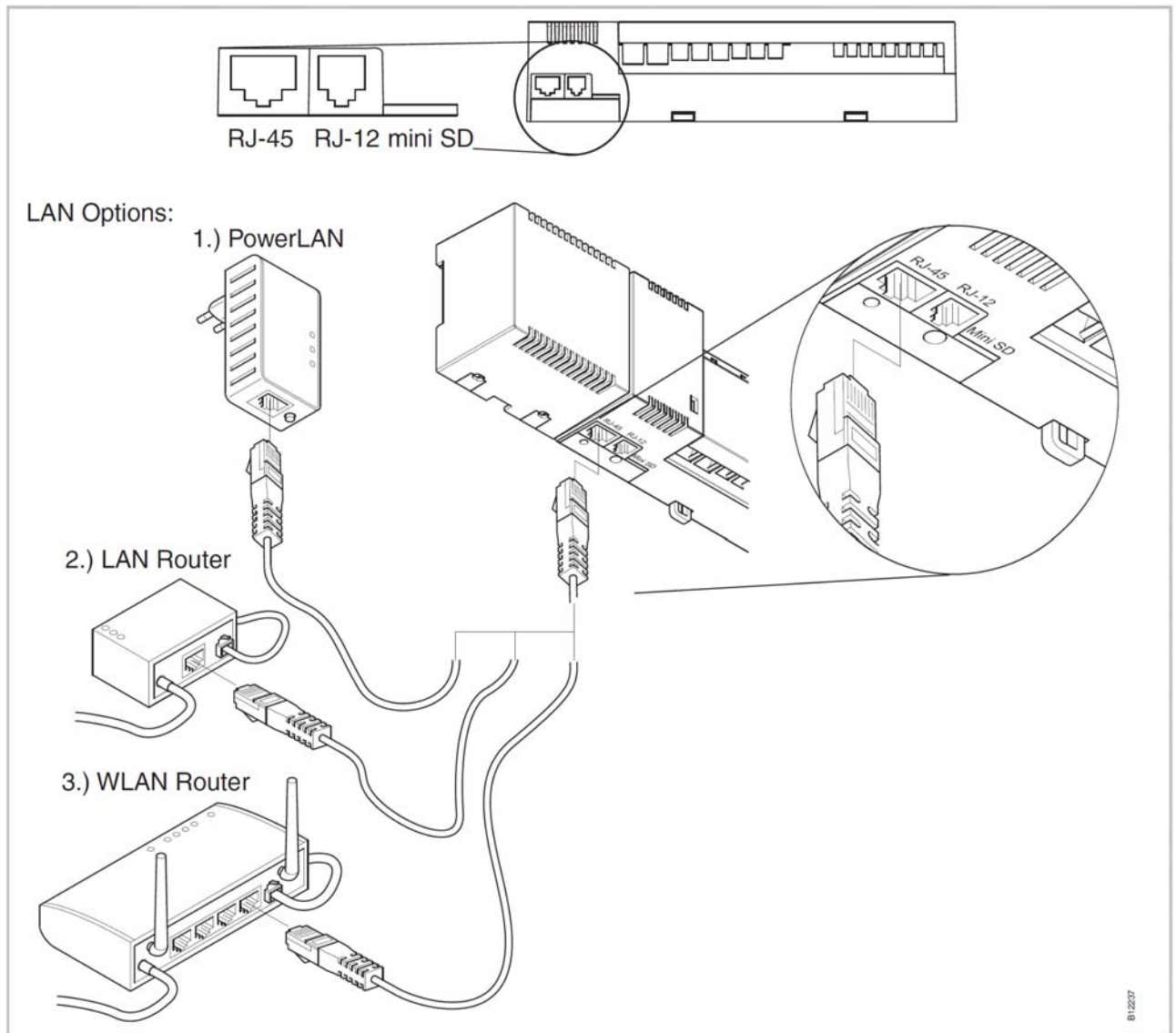

Fig. 2: LAN-Verbindung

3   Download App

The **Roth Touchline App** can be downloaded from the App store at your iPhone. Please note that this is not a free download: your iTunes account will be charged with a one time fee, any future updates are free of charge.

4   Network Configuration using the WLAN Network

The master controller is connected to the WLAN router and the App is installed on the iPhone.

► Open the settings menu of your iPhone by pushing:
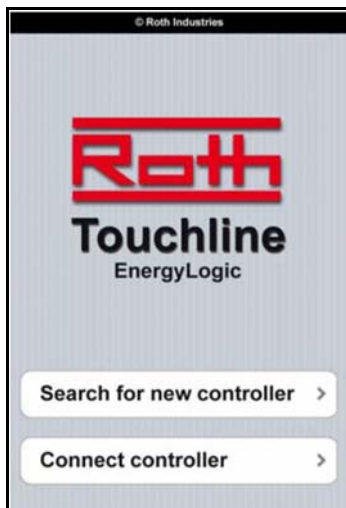
► Select Wi-Fi settings
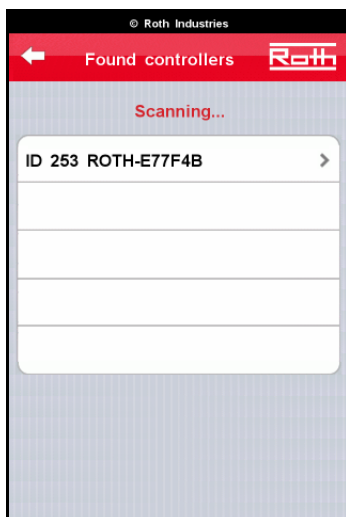
► Select Wi-Fi ON

► Select your network

► Start the App on your iPhone by pushing the Roth Touchline icon.

► Select your language

► Push: Search for new controller.

► The Roth Master Controller connected to the WLAN network is listed. Select the controller. If the controller could not be found, please check chapter 6.3.

► **U**nique **ID**-Number (needed in case password/user name is lost).

► Type in the default password 1234

► Press "Reset Password"

Type in your user name and password in consideration of the following conditions:

- The user name must be at least between 3 characters and not more than 18 characters long.
- The user name first character must be a letter or digit.
- The user name cannot contain any spaces, punctuation marks or special characters (æ, ø, å etc.)
- The user name can contain underscores "_" periods "." and hyphens "-".
- The password must be at least between 4 characters and not more than 16 characters long.
- The password cannot contain spaces, punctuation, or special characters.

► Select "Registration on Portal" on.

► Press "Submit" to connect the Controller to the Portal.

► Message field that shows the following results:

- "Connecting to Portal"
- "Invalid user name" or "Invalid password"
    - ⇒ Violation of the name / password conditions above, please change.
- "User name already used" or "Password already used"
    - ⇒ Chosen name / password defined by other user in Portal before, please change
- "Failed connecting the Portal"
    - ⇒ Please check if your iPhone has Internet access
- "Registration on Portal done"

► Press "arrow back" to leave the connecting to the portal procedure.
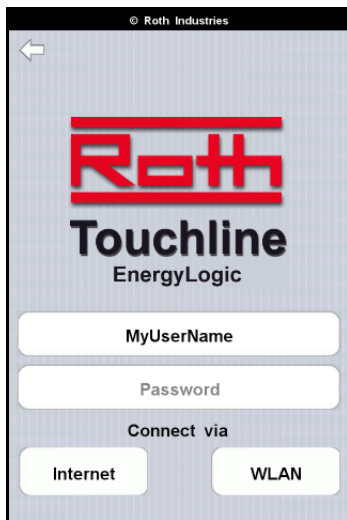
You are now able to enter the App either through WLAN or the Internet!

► Enter Password

► Select "Internet" or "WLAN"

NOTE	*If App failed connecting the Portal, please check Internet connection using the Internet browser of your iPhone that is connected to your WLAN network.*

NOTE	*As long as your iPhone is within the WLAN network, the WLAN network will be always chosen. When this connection is lost and your Phone has Internet access, then the connection will be built up through the portal server.*

NOTE	*If the user name and password are lost you need to identify the unique ID-number of your iPhone. This unique ID number can be found as described in section 6.1. Then you have to send this unique ID to Roth by e-mail. Upon receipt of your mail, Roth will send you a reset code to reset the password to default values. For further details see section 6.1.*

5 Operation

All wireless room thermostats are addressed to the controller(s) and if there is more than one controller, the slave controllers must be addressed to the master. The WLAN connection is made in accordance to Chapter 2, the App is activated in accordance with Chapter 3 and the network is configured in accordance with Chapter 4.
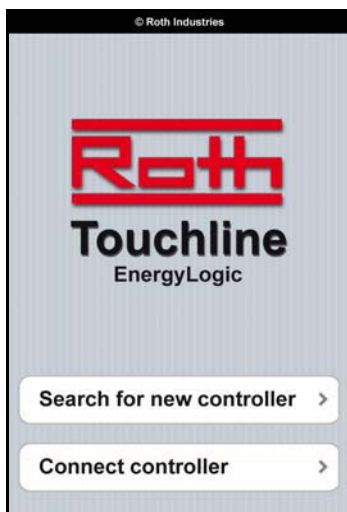
5.1 Log on
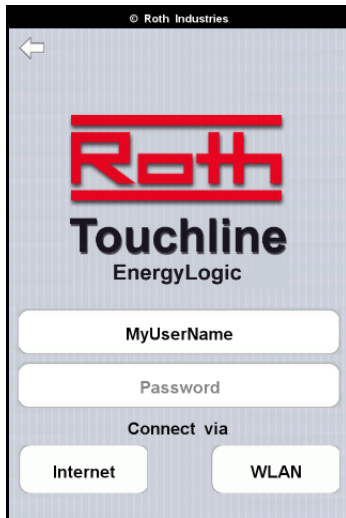
► Activate the App

► Select your language

► Select "Connect controller"

► Enter your password

► Press Internet or WLAN

The **Start** screen is shown, your log-on was successful.

If the **Language** screen is shown again, then you have entered the wrong password. Please try again. If you have lost your password, please follow the instructions as defined in section 6.x

## 5.2 Configure names for all wireless room thermostats

You are logged in and the **Start** screen is shown.

► Press the "Config" button in the main menu.

You will now see all the room thermostats which have been paired to the complete system. In each line you see an ID no. for example 253/1 (253 for controller, 1 for thermostat) followed by N.N. (no name). You now need to identify the room thermo-stats and name them one by one so you will easily recognize which room you are looking at.


1 – Display in stand-by mode
2 – Sensor buttons
    (a) menu
    (b) ok
    (c) escape

Fig. 3 – Room Thermostat

Go to the first room thermostat and do the following (look at fig. 3 to follow)
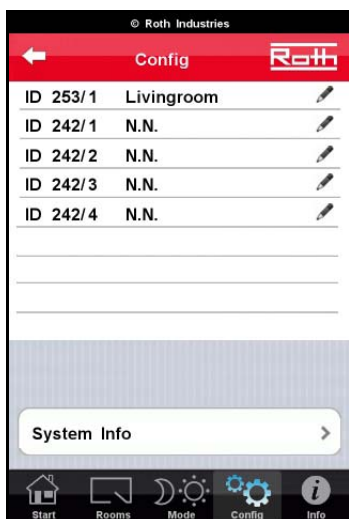
The room thermostat shows the standby mode.

► Press one of the sensor buttons for more than 2 seconds to activate. The thermostat now switches to operating mode. The set point temperature is flashing.
► Press the sensor button "menu" for 5 seconds. The display shows P01.
► Press the sensor button "menu" several times to choose the parameter P08 (= Show ID number of the room thermostat)
► Press the sensor button "OK". In the display the ID-number can be seen. Note the ID number of the thermostat, for example **03**.
► Press the sensor button "OK". P-09 is shown in the display. (= Show ID-Number of the controller)
► Press the sensor button "OK". In the display the ID-number can be seen. Note the ID number of the controller, for example **253**. (only needed if you have more than one controller)
► Find the ID numbers of respectively the controller and the thermostat in the overview of the "Config" page in the APP, for example **253/03**.
► Press on the field with the name N.N. and type the name of the room you want, for example **Living room**.
► Press the sensor button "Esc", to leave the menu of the thermostat. The display shows the operating mode and the set point temperature is flashing

Repeat the above operation for all room thermostats which are paired in the system. If there are more wireless room thermostats than listed: press "next".
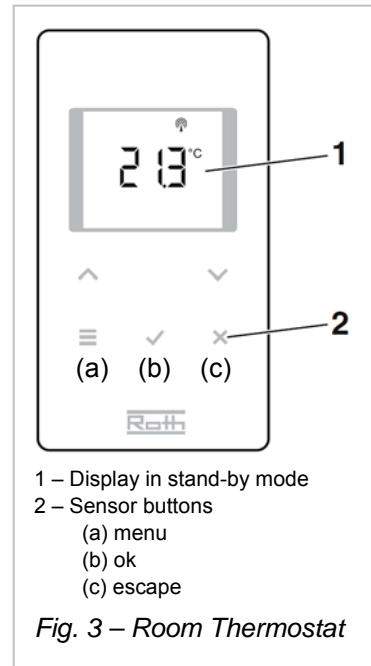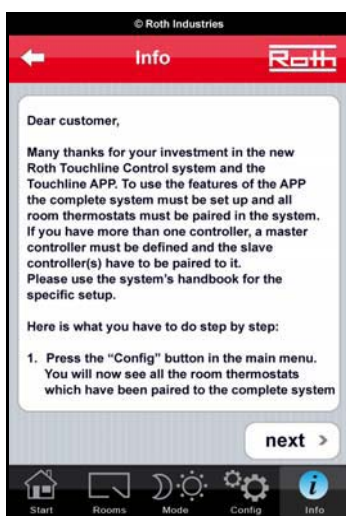
► Press "System Info" of the Config menu to overview the entire system.
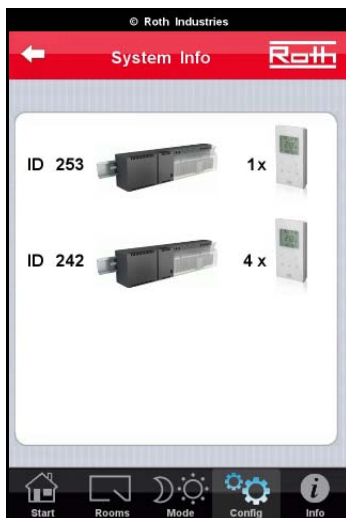
In this example the system consists of 5 room thermostats addressed to in total 2 controllers. The Master controller is always shown in first (upper) position and the next will be Slave 1 and Slave 2.

► Press "Info"

The procedure as defined in this section 5.2 can also be found at the info-pages of your iPhone.

5.3   Operation
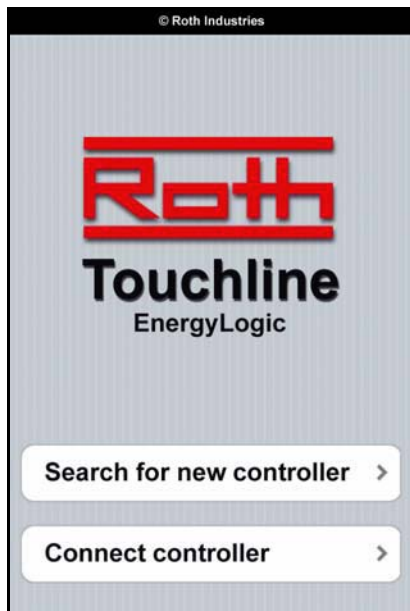
► Activate the App

Select language >	*Connect controller >*	*Logon*

Logon with password, select Internet or WLAN to enter.

► View all rooms

► Change mode of all rooms

► Configuration of room names

Start

Start > Rooms

- actual room temperatures
- clock symbol showing that a time program is active.

Start > Rooms > Room Details

- change setpoint
- change mode of operation
- change time program
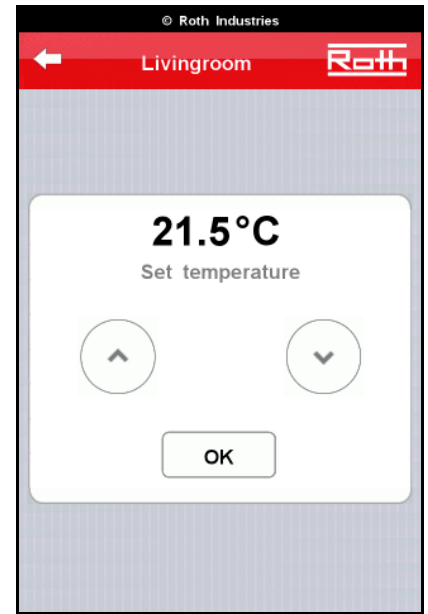
Start > Rooms > Room Details >
Change value:
- Increase, press up
- Decrease, press down

Start > Mode

Change mode of all room thermostats (complete system)
- Select the mode

Start > Mode > Confirm

Note: local time programs have a higher priority and need to be deactivated if change is permanently wanted for all room thermostats. See also FAQs.

Start > Mode

Menu mode, when alarm active
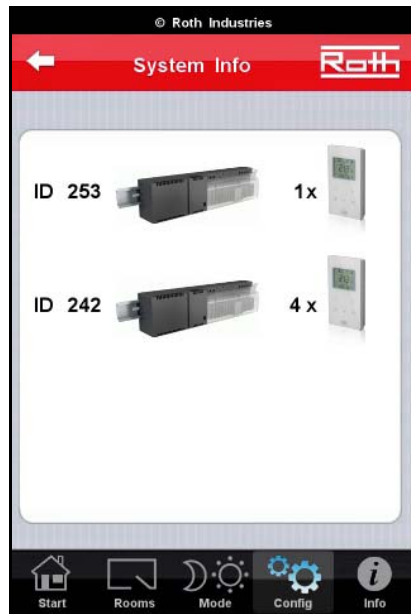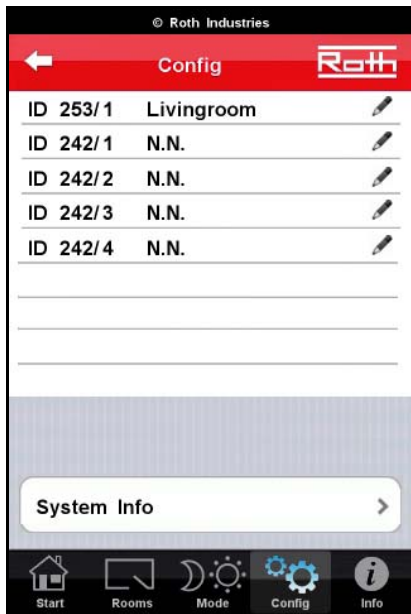- Press error to see alarm details

Start > Mode > Error

Possible alarms:
- RF communication interrupted
- High limit dewpoint
- High limit supply water *)

*) Will only occur if a supply water high limit safety thermostat is installed. See user manual, parameter P-62.

Start > Config

Giving names to room thermostats

Start > Config > System Info

Overview installed system

6 Problem solving

6.1 Password lost

In case you have lost your password, you have to do the following:

- Find the **U**nique **ID** number (UID) of your iPhone by the following procedure:
  - Be sure that the connection between iPhone and controller goes through WLAN
  - Activate the App
  - Select your language
  - Select "Search new controller"
  - Press the found controller
  - The UID of your iPhone is shown at the top.
- Send this UID to the following e-mail:
  Touchline_PW_reset@Roth-industries.com
  - You will receive a reset code to reset the password to default value
- Press "Reset Password" (leave the field "Password" blank)

- Type in the reset code and press "Reset Password" button
  - The password is reset to default settings: 1234
- Then change your password as described on page 8 and make a new registration on the portal server. It is possible to use your previous password.

6.2 Problems with GSM connection

The speed of the data transmission is depending on the connection strength when using the iPhone GSM connection.

◄ OK   Weak / lost ►

Weak or interrupted signal during a session is indicated with a small red rectangle as shown in the right picture.

For a proper control of the system online the GSM signal should be at least one beam.

6.3   Controller not found

If the controller cannot be found, please do the following:

- Check if the controller is set as Master.

- Check the network installation in accordance with section 2

- Check the LAN cables used

- Check the power connection to the WLAN router

- Please switch off the power of the WLAN router, and switch on again

- Check the power connection to the controller

- Check the WLAN connection with your iPhone

- Check if a mini SD card is installed in the controller

- Check if the mini SD card is completely inserted into the controller
    - Warning: switch off the power of the controller before removing or installing the SD card

- Check if the mini SD card is readable:
    - Switch off the controller
    - Remove the mini SD card by pushing it into the controller
    - Use a mini SD card adapter and connect this adapter to a PC
    - Use Windows Explorer to see if the files are visible
        - Attention: do not open, move or delete any files!
    - If files are not visible visit the Roth web site to find the instructions to format the mini SD card and to download a new set of files.
        - If this doesn't work, please purchase a new mini SD card.
    - Prepare the mini SD card in accordance to the instructions on the Roth web site
    - Insert the mini SD card into the controller
    - Connect power to the controller
    - Wait approx. one minute until the controller is rebooted (LED's are flashing rapidly during this process)
    - Try again to find a new controller.

6.4 FAQs

Q: **All room thermostats show an actual temperature of 21.0 °C**

A: After a power interruption or at the first start up, the controller has default values of 21°C for all actual room temperatures. It will take 10 to 13 minutes before all temperatures are updated.

Q: **It is not possible to build up the connection by GSM. After log-on the "Select Language" page appears again.**

A: The following could be valid:

- Wrong password – please check.

- GSM connection too weak – please wait for a better signal (at least one beam)

- Internet connection of the WLAN router is not active

- Power interruption of the controller, WLAN router or ADSL router.

Q: **All thermostats are set to the same mode with the central mode function, but after a while one or more rooms are in another mode.**

A: Local operation at the room thermostats has higher priority than operation by iPhone. Hence, either somebody has changed the mode at home or a time program is still active. One or more time programs are still active if the clock symbol is shown on the "Mode" page. Deactivate all time programs visible at the "Rooms" page and then select the desired central mode again.

Q: **Not all room thermostats are set to the same mode immediately by the central mode function.**

A: All room thermostats connected to the master controller are set immediately to the desired mode. For room thermostats connected to slave controllers it can take up to 3 minutes before they are set to the desired mode.

For more information please see: www.roth-industries.de/qr/touchline.htm