



User manual

KAZALO

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1. CONTROL OF THE LIVING ENVIRONMENT WITH **entia**^{Living} SYSTEM

Hello, **EntiaLiving** user! The document before you is the User Manual for the **EntiaLiving** system, which will make living in your home more comfortable, enjoyably and efficient.

Using this manual will help you control your **EntiaLiving** system. On the following pages you describe in an understandable manner, what **EntiaLiving** system can do and how you make it do that.

The **EntiaLiving** system enables easy control of processes in your living environment. The basic functionality of the **EntiaLiving** system are:

- **Lighting control**: control of lighting in your living environment; turning the lights on or off, setting the level of brightness
- **Temperature control**: lowering or increasing the temperature in your living environment, automatic control of temperature via **user defined schedules**
- **Shading control**: control of shades, blinds etc. in your living environment; raising/lowering of shading devices, protection against strong wind
- Control of the living environment as a whole through **user defined scenes**. Tailor scenes for common events (morning, visitors, no one at home...) to your wishes and needs and switch between them easily

The easy and efficient way of controlling your living environment equipped with the **EntiaLiving** system is described in the reminder of this user manual.









2. LIGHTING CONTROL WITH entia Living SYSTEM

EntiaLiving system offers several options for control of lighting in your living environment. Individual lighting devices can be turned on, turned off or set to a certain level of lighting (for dimmed lights). **EntiaLiving** system offers several ways to do this:

- Classic wall **buttons**: by pressing a button the light is turned on or off. Dimming function is achieved by pressing and holding the button (if dimming is available). **Once the lighting level of a dimmer light is set, the next button press will set the light on the previously set level. If you press the button again, the dimmer light illumination will jump to maximum.**
- Lighting control via an **Internet client**: The illumination of your living environment can also be set via an internet client. Lights can be controlled (on/off/dim) through your personal **EntiaLiving** homepage. **Apple mobile phones and tablets, Android mobile phone and tablets are supported along with personal computers (Windows, Linux, iOS).** Look at page 14 for lighting control via an mobile phone, page 18 for tablet computer and page 22 for personal computers.
- Lighting in various rooms of your living environment can also be set with the use of user defined scenes on your **EntiaLiving** personal homepage. In the **EntiaLiving** system 6 scenes are predefined by default:



-  Away
-  Day
-  Night
-  Morning
-  Cozy
-  Evening

User defined scenes can be easily modified to accommodate your needs and wishes as described on page 23 of this user manual.

3. TEMPERATURE CONTROL WITH **entia** Living SYSTEM

EntiaLiving system offers many possibilities for temperature control. The temperature in different rooms of the living environment can be set in the following ways:

- Setting the temperature via the **room controller**: The »+« and »-«



touch keys can be used for increasing or decreasing the desired temperature, respectively. [Details about the temperature control via the room controller can be found on page 8 of this user manual.](#)

- Setting the temperature via the **internet clients**: the desired temperature in individual rooms of your living environment can be adjusted using the **EntiaLiving** internet client software. The desired temperature can be increased or decreased through your personal **EntiaLiving** homepage. [EntiaLiving clients are compatible with Apple and Android](#)



[smartphones, tablets and all the personal computers running Windows, Linux or iOS.](#) [Details about temperature control via internet clients can be found on pages 12 \(smartphones\), 17 \(tablet computers\) and 21 \(personal computers\).](#)







- It is also possible to automatically control the temperature via the **user defined schedules** which can be defined using your **EntiaLiving** personal homepage. [You can read more about setting the temperature schedules on page 26 of this user manual.](#)

4. SHADING CONTROL WITH **entia** Living SYSTEM

With **EntiaLiving** shading control is simple. The following options are available for lifting or lowering shades (blinds, ...):

- Wall **buttons**: Classical control of shading in your living environment using the wall buttons. Short push of the up or down button changes the angle of the shade or causes just a step lift/decline of the shade. If you push and hold the up/down key the shade will lift/decline to the end position, respectively.
- Shading control via **internet clients**: shades in your living environment can be controlled via smartphones, tablet computers or personal computers. You can lift or lower an individual shade through your personal **EntiaLiving** webpage. **EntiaLiving** clients are compatible with Apple and Android smartphones, tablets and all the personal computers running Windows, Linux or iOS. Details about shading control via internet clients can be found on pages 14 (smartphones), 18 (tablet computers) and 22 (personal computers).
- Shading in individual rooms of your living environment can be set with the use of user defined scenes on your **EntiaLiving** personal homepage. In the **EntiaLiving** system 6 scenes are predefined by default:



-  Away
-  Day
-  Night
-  Morning
-  Cozy
-  Evening

User defined scenes can be easily modified to accommodate your needs and wishes as described on page 23 of this user manual.

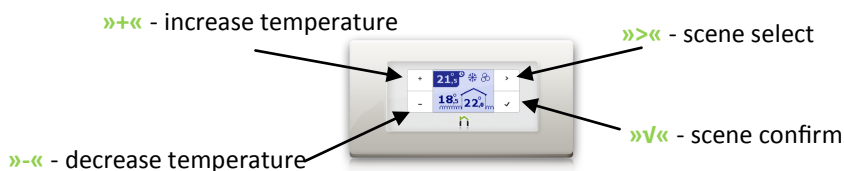
5. CONTROL OF LIVING ENVIRONMENT WITH entia Living ROOM CONTROLLER

There is an **EntiaLiving room controller** in every non-wet room of your living environment. User friendly LCD touch screen enables simple control of your living environment.



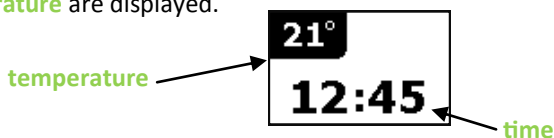
5.1 Room controller keys

There are four touch keys on the room controller as show on picture below. A **»+«** key is situated on the top left and **»-«** key bottom left. On the right side **»>«** and **»v«** keys are situated. LCD display is situated in the middle.



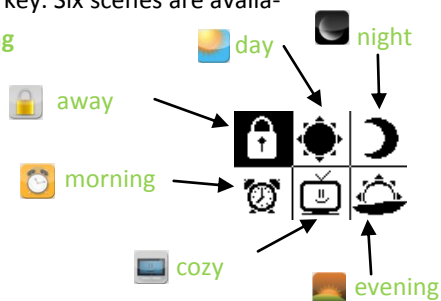
5.2 LCD display

On the idle screen of the **EntiaLiving** room controller, current **time** and desired **temperature** are displayed.

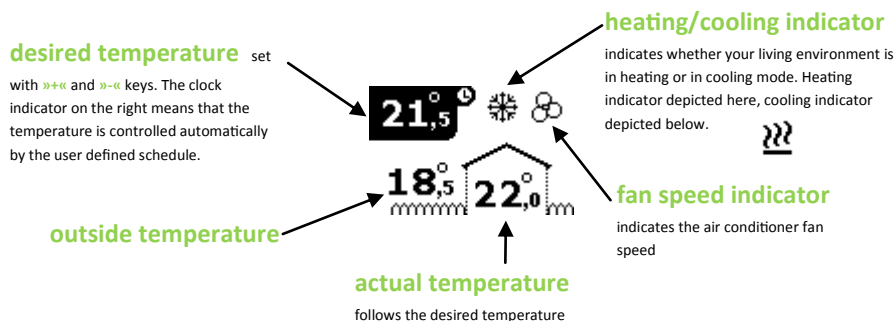


By pressing the **»>«** key you can navigate to the scene select screen. You can select the desired scene by pressing the **»>«** key. Six scenes are available: **away**, **day**, **night**, **morning**, **cozy**, **evening**

The desired scene has to be confirmed by pressing the **»v«** key. **User defined scenes can be easily modified to accommodate your needs and wishes as described on page 23 of this user manual.**



The desired temperature in the room where the room controller is installed is increased or decreased by pressing »+« and »-« keys, respectively. While doing this the heating/cooling screen (picture below) is shown on the room controller. On this screen you can see the **desired temperature**, **actual temperature**, **outside temperature**, **heating/cooling** indicator and **fan speed** indicator.



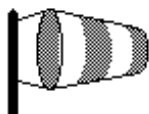
5.3 Security alerts

In case of some extreme situations (**fire**—smoke, **open entrance door**, strong **wind**) a security alert will be displayed on the screen of your **EntiaLiving** room controller.



This alert appears on all **EntiaLiving** room controllers in case of detected smoke in the kitchen (or another room). **Fire security is increased by this action.**

Open door alert appears on all **EntiaLiving** room controllers in case of open entrance door of your living environment. **Anti burglar security is increased by this action.**



In case of strong wind, this alert appears on all **EntiaLiving** room controllers. **This action prevents damage on outside shading—in case of strong winds, all outside blinds are automatically lifted.**

6. CONTROL OF YOUR LIVING ENVIRONMENT VIA INTERNET CLIENTS

The **EntiaLiving** system enables simple and efficient control of your living environment through your personal **EntiaLiving** webpage. The personal **EntiaLiving** webpage can be accessed with various internet browsers (Firefox, Chrome, Safari, ...) or through the **EntiaLiving** application. You can control



the living environment with a

smartphone (iPhone and

Android phones), **tablet**

computers (iPad and An-

droid tablets) or **personal**

computer (Mac, Win-

dows, Linux).

Details about controlling your living environment via internet clients can be found on pages 11 (smartphones), 15 (tablet computers) and 19 (personal computers).

The **EntiaLiving** application for Android can be downloaded from Google Play webpage (play.google.com) by entering the »Entia« keyword in the search query. Another option is to scan the QR code below with your smartphone or tablet computer.



6.1 Control of your living environment with your smartphone

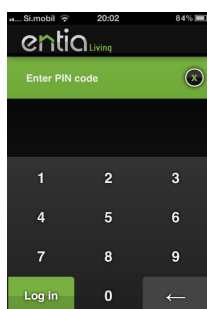
Control of your living environment with your touchscreen smartphone is simple. Using an internet browser or the **EntiaLiving** application, you can navigate to your personal **EntiaLiving** webpage, from which you can control your living environment. This enables you to control all the functions provided by **EntiaLiving** system (**temperature** control, **lighting** control, **shading** control, **scene** select...). **EntiaLiving** application for Android can be downloaded from the Google Play website (play.google.com) by typing the keyword “Entia” into search query. You can also use your smartphone to scan the QR code on the picture below. **The EntiaLiving system is compatible with Apple phones and Android phones.**



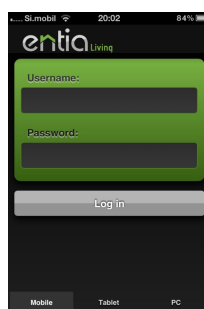
Logging on to your personal **entia** Living webpage

After running the **EntiaLiving** application or navigating with your browser to the **dostop.entia.si** address, you have to log on to your personal **EntiaLiving** webpage with your **username** and **password** or your **PIN** code as shown in pictures below.

PIN code



Username and password

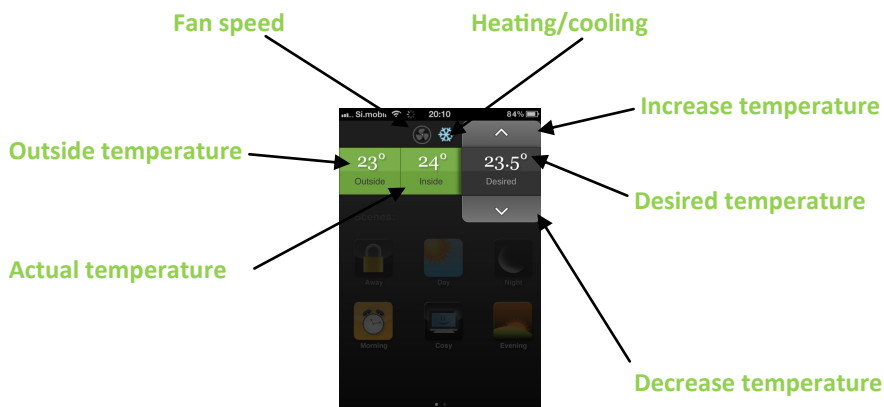


The **entia** Living webpage home screen

After logging in the home screen of the **EntiaLiving** webpage appears (if you have a main flat device—otherwise you will navigate directly to the “Rooms” screen). On the home screen the scene can be selected with one click. The alerts status can be checked on the top left side of this screen, while the desired temperature can be set on the top right part of the home screen.



The interface for setting the desired temperature value appears when you press the field with temperatures (up right). Besides setting the temperature, the user can also read out the **outside temperature** and see the **fan speed** and the **heating/cooling** indicators.

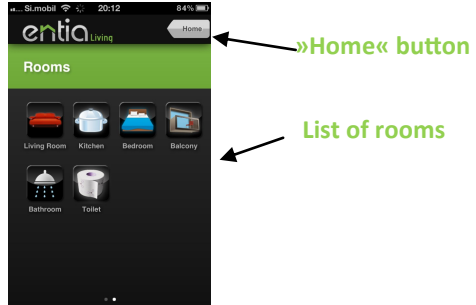


You can navigate to the “**Rooms**” screen by pressing the “**Rooms**” button in the top left corner of the home screen.

Control in individual rooms of the living environment

You can navigate to the **“Rooms” screen** by pressing the **“Rooms” button** in the top left corner of the home screen of the **EntiaLiving** webpage.

The main area of this screen is filled with icons that represent **individual rooms** of the living environment. To control processes in a specific room you simply press the icon of that room to navigate to the screen for the **desired room**. You can always navigate back to the home screen of your **EntiaLiving** webpage by pressing the **“home”** button in the top right corner of the screen.



When a room is selected (e.g. living room) screen for that room appears. On this screen it is possible to select a desired **user defined scene** for that room. Six scenes are available: **away, day, night, morning, cozy** and **evening**. User defined scenes can be easily modified to accommodate your needs and wishes as described on page 23 of this user manual.

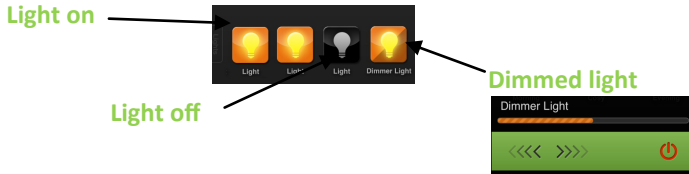


Additionally it is possible to control **lighting, shading, temperature** and **power plugs** for the selected room in your living environment.

On the specific room screen it is possible to control **lighting, shading, temperature** and **power plugs** for the selected room in your living environment.

Lighting

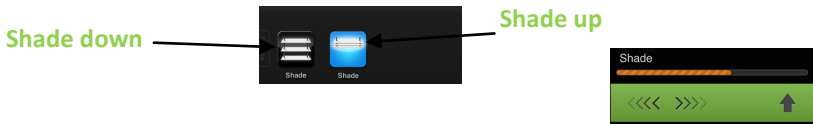
You can turn light **off** and **on** or set their **level of illumination** by pressing the icons of individual lights in the room.



When the icon of a dimmed light is selected a slider for setting the level of illumination appears. You can then set the level of illumination for that light (or turn the light off) by simply sliding on the slider to the left or right side.

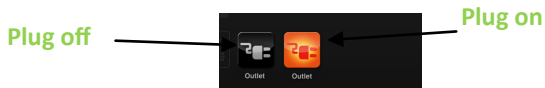
Shading

When the icon of a shade is selected a slider for setting the shade level appears. You can then move the shade up or down simply by sliding with finger on the slider to the left or to the right side.



Power plugs

On the specific room screen of **EntiaLiving** interface it is possible to turn a specific power plug in that room on or off simply by pressing the icon of the desired power plug.



6.2 Control of your living environment via a tablet computer

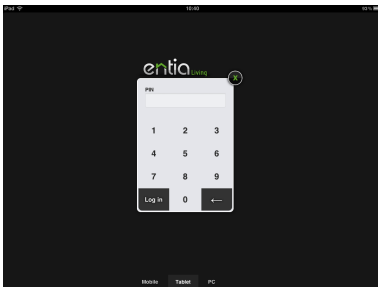
Control of your living environment with your touchscreen tablet computer is simple. Using an internet browser or the **EntiaLiving** application, you can navigate to your personal **EntiaLiving** webpage, from which you can control your living environment. This enables you to control all the functions provided by **EntiaLiving** system (**temperature** control, **lighting** control, **shading** control, **scene** select...). **EntiaLiving** application for Android can be downloaded from the Google Play website (play.google.com) by typing the keyword “Entia” into search query. You can also use your smartphone to scan the QR code on the picture below. **The EntiaLiving system is compatible with Apple and Android tablet computer.**



Logging on to your personal **entia** Living webpage

After running the **EntiaLiving** application or navigating with your browser to the **dostop.entia.si** address, you have to log on to your personal **EntiaLiving** webpage with your **username** and **password** or your **PIN** code as shown in pictures below.

PIN code

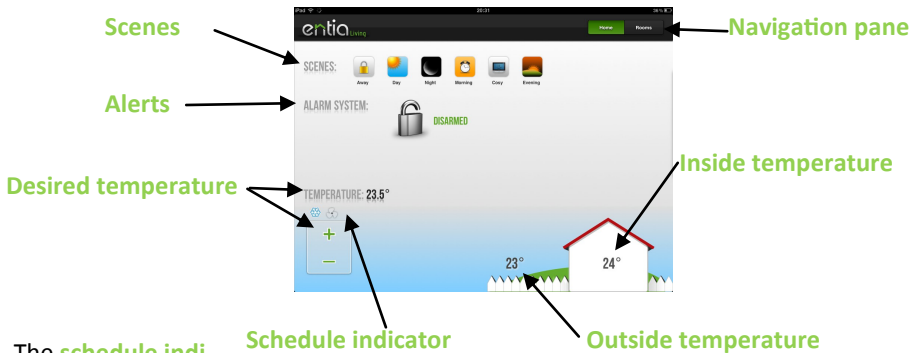


Username and password



The **entia** LIVING webpage home screen

After logging in the home screen of the **EntiaLiving** webpage appears (if you have a main flat device—otherwise you will navigate directly to the “Rooms” screen). On the home screen the user defined scene can be selected with one touch. On the left side of the screen the **alerts status** can be checked and the desired **temperature** can be set. On the right top side of the screen there is a navigation pane that helps us to return to home screen or navigate to the rooms screen at any given moment. Right bottom part of the screen shows the actual inside temperature and the outside temperature.



The **schedule indicator** (small clock sign above the interface for rising/lowering the desired temperature) indicates whether the temperature is automatically controlled by the user defined schedules or not. Near the schedule indicator the **fan speed indicator** and the **heating/cooling indicator** are situated.

To navigate to the rooms screen the “**rooms**” button in the navigation pane has to be pressed.

Control in individual rooms of the living environment

To navigate to the rooms screen the “rooms” button in the navigation pane has to be pressed.

On the right side of this screen there is a **list of rooms** of your living environment. To control processes in a specific room, select that room from the list. To navigate to the **EntiaLiving** home screen press the “Home” button in the navigation pane or the **EntiaLiving** logo in the top left corner.



After selecting a room from the list, the control interface for that room appears on the left side of the screen. That interface enables the **scene selection** for that room. Six scenes are available: **away**, **day**, **night**, **morning**, **cozy** and **evening**. User defined scenes can be easily modified to accommodate your needs and wishes as described on page 23 of this user manual.

Additionally it is possible to control individual **lights**, **shades**, **temperature** and **power plugs** in the selected room of your living environment.

On the specific room screen it is possible to control **lighting, shading, temperature** and **power plugs** for the selected room in your living environment.

Lighting

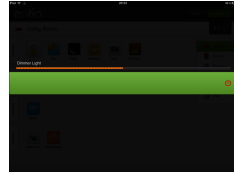
You can turn light **off** and **on** or set their **level of illumination** by pressing the icons of individual lights in the room.

Light on



Light off

Dimmed light



When the icon of a dimmed light is selected a slider for setting the level of illumination appears. You can then set the level of illumination for that light (or turn the light off) by simply sliding on the slider to the left or right side.

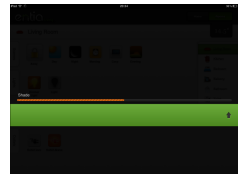
Shading

When the icon of a shade is selected a slider for setting the shade level appears. You can then move the shade up or down simply by sliding with finger on the slider to the left or to the right side.



Shade down

Shade up



Power plugs

On the specific room screen of **EntiaLiving** interface it is possible to turn a specific power plug in that room on or off simply by pressing the icon of the desired power plug.



Plug off

Plug on

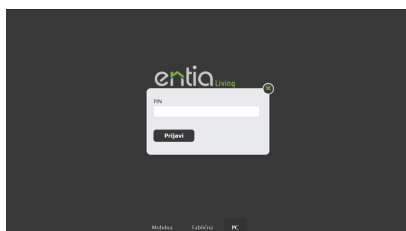
6.3 Control of your living environment via personal computer

Control of your living environment with your personal computer is simple. Using an internet browser you can navigate to your personal **EntiaLiving** webpage, from which you can control your living environment. This enables you to control all the functions provided by **EntiaLiving** system (**temperature** control, **lighting** control, **shading** control, **scene** select...). The **EntiaLiving** system is compatible with Apple, Windows and Linux computers and Firefox, Chrome and Safari web browsers.

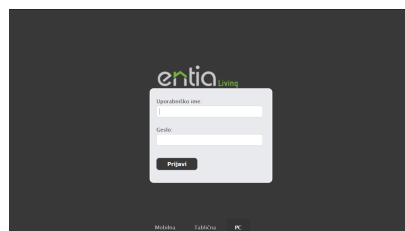
Logging on to your **entia** Living personal webpage

After running the navigating with your browser to the **EntiaLiving** webpage (**dostop.entia.si**), you have to log in to your **username** and **password** or your **PIN** code as shown in pictures below.

PIN code



Username and password



Home screen of your personal entia Living webpage

After logging in the home screen of the **EntiaLiving** webpage appears (if you have a main flat device—otherwise you will navigate directly to the “Rooms” screen). On the right top side of the screen there is a **navigation pane** that helps us to return to home screen, navigate to the **rooms screen** or the **settings screen** at any given moment. The home screen of the **EntiaLiving** personal webpage also contains the **weather forecast** and the **energy consumption chart** for your living environment.

Weather forecast

Navigation pane

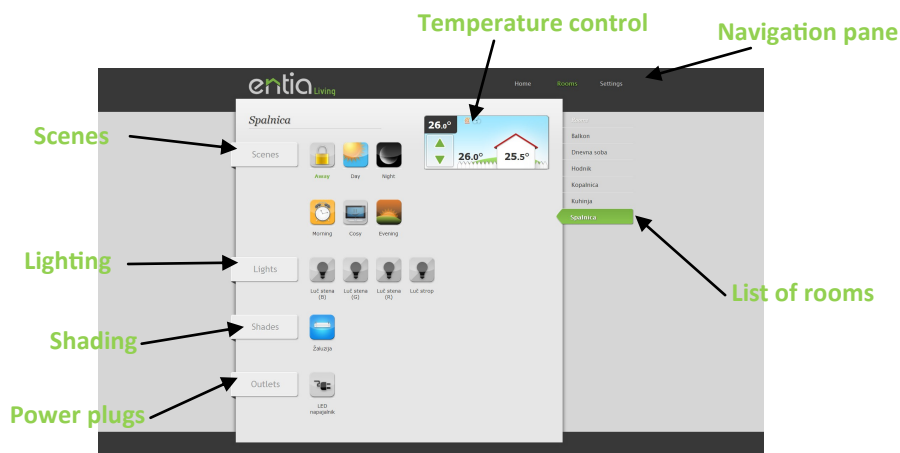


Energy consumption chart

Control in individual rooms of the living environment

To navigate to the rooms screen of the **EntiaLiving** webpage, you have to click on the “**rooms**” button in the navigation pane.

On the right side of this screen there is a **list of rooms** of your living environment. To control processes in a specific room, select that room from the list. To navigate to the **EntiaLiving** home screen press the “Home” button in the navigation pane or the **EntiaLiving** logo in the top left corner.



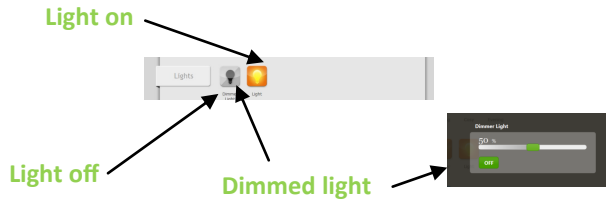
After selecting a room from the list, the control interface for that room appears on the left side of the screen. That interface enables the **scene selection** for that room. Six scenes are available: **away**, **day**, **night**, **morning**, **cozy** and **evening**. User defined scenes can be easily modified to accommodate your needs and wishes as described on page 23 of this user manual.

Additionally it is possible to control individual **lights**, **shades**, **temperature** and **power plugs** in the selected room of your living environment.

On the specific room screen it is possible to control **lighting**, **shading**, **temperature** and **power plugs** for the selected room in your living environment.

Lighting

You can turn light **off** and **on** or set their **level of illumination** by pressing the icons of individual lights in the room.



When the icon of a dimmed light is selected a slider for setting the level of illumination appears. You can then set the level of illumination for that light (or turn the light off) by simply sliding on the slider to the left or right side.

Shading

When the icon of a shade is selected a slider for setting the shade level appears. You can then move the shade up or down simply by sliding with finger on the slider to the left or to the right side.



Power plugs

On the specific room screen of **EntiaLiving** interface it is possible to turn a specific power plug in that room on or off simply by pressing the icon of the desired power plug.



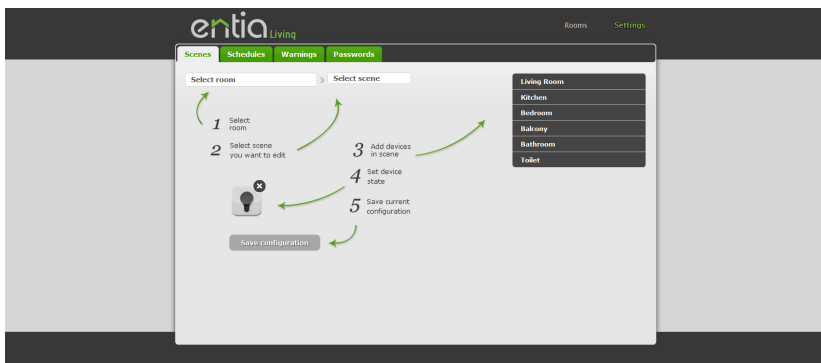
Settings screen of the **entia** Living personal webpage

To navigate to the settings screen of your personal **EntiaLiving** webpage click the “**settings**” button in the navigation pane. In the settings tab the user can **modify user defined scenes**, **set the user defined schedules**, **set up the email or SMS notifications** and **change the PIN code or password** for your personal **EntiaLiving** webpage.

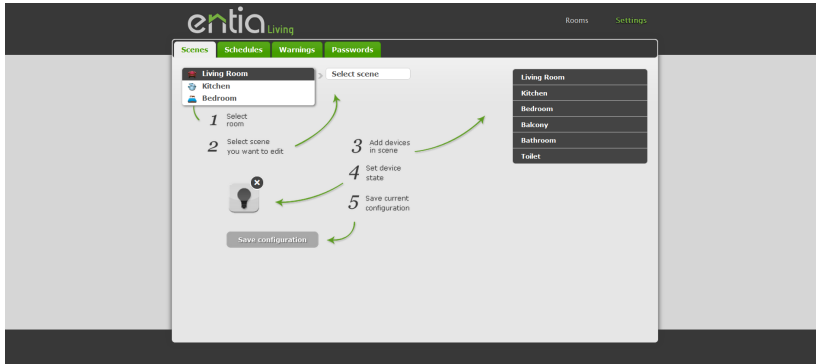
Modifying the user defined scenes

The first tab of the settings screen is the **scenes** tab. You can navigate back to this tab from anywhere on settings screen by clicking the “scene” tab below the **EntiaLiving** logo. This tab enables the user to modify scenes in his living environment. Six user defined scenes are available: **away**, **day**, **night**, **morning**, **evening** in **cozy**.

Each scene can be modified by changing the states of individual lights, blinds, power plugs and other electrical devices in your living environment. The detailed procedure is described on the following pages of this user manual.



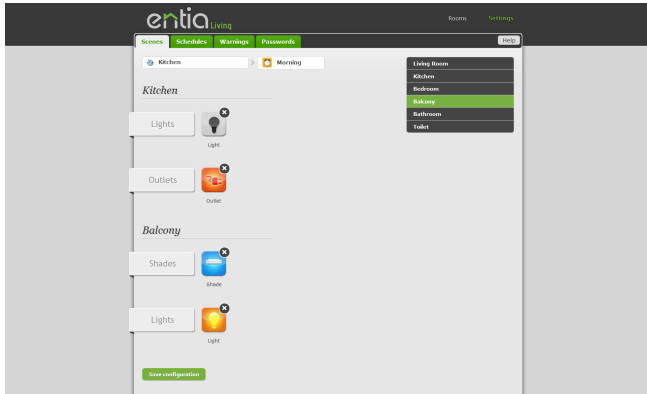
After you navigate to the scene tab of the settings screen, you have to **choose the room** in which the scene will be modified from the falling menu on the right. Note that this means, that the modified scene will be available from the room controller in that room or from the screen of that room on any internet client.



After that you **select a scene** to be modified in the selected room from the falling menu to the right of the falling room menu.

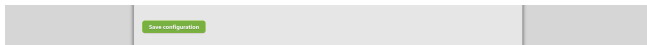


When the room and the scene have been selected, the user has to determine the states of individual **lights**, **blinds** and **other electrical devices** that will be controlled by the selected scene.



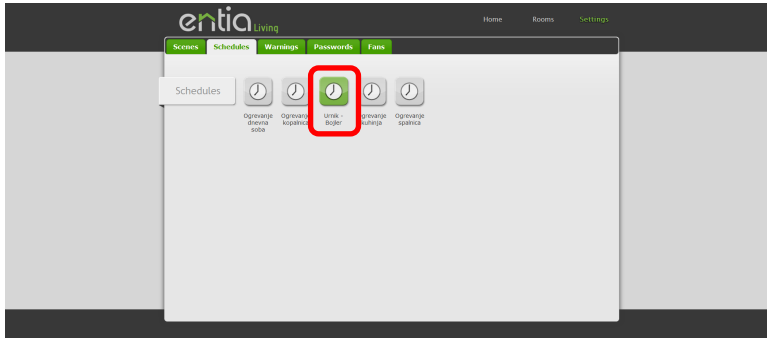
The selected devices can be in the **room that you selected** or they can be in other **rooms** of your living environment. The devices can be selected from the **list on the right side** of the scene tab on the settings screen.

After the states of the selected devices have been defined for a selected scene in the selected room (selected room controller), you have to click the button **»Save scene«** to confirm the scene modification.



Setting the user defined schedules

The second tab of the settings screen is the **schedules** tab. You can navigate back to this tab from anywhere on settings screen by clicking the “schedules” tab below the **EntiaLiving** logo. This tab enables the user to **modify schedules** in his living environment, e.g. **set the desired temperature for different periods of the week**. To begin the procedure, the user has to click on the icon of the schedule he wishes to modify.

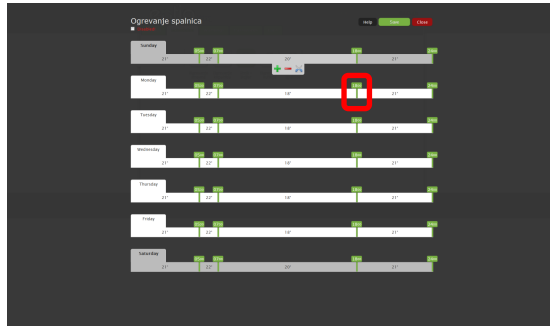


After clicking on the schedule icon, you will navigate to the **schedule modification screen**. Firstly the schedules have to be **enabled** in order to modify them. To do this check the field in the top left corner of the screen. When this is done the red colored text “**Disabled**” will change into grey colored text “**Enabled**”.



When the schedule has been enabled it can be modified according to users wishes and demands. Temperature profiles can be set for every day of the week. The procedure follows:

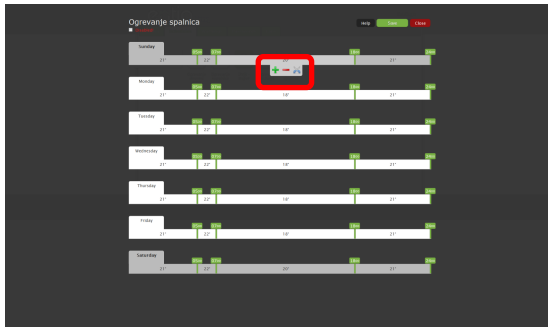
- **Moving time stamps:** to move a time stamp to a different time simply click and hold it and move it to the desired time.



- **Adding the time stamps:** to create an additional time stamp hover above a desired time with the mouse cursor and a floating menu will appear. Clicking on the scissors icon will create a time stamp at the cursor location.



- **Removing time stamps:** to delete a time stamp click and hold it then move it into the next time stamp. This will delete the desired time stamp.
- **Rising/lowering the temperature between two time stamps:** the interval between two time stamps defines a temperature level for a time period defined by those two time stamps. To increase or decrease this temperature, hover the mouse cursor over the desired interval and the floating menu will appear. To increase or decrease the temperature click on the “+” or “-” icon of this hovering menu, respectively.



- **Copying of the day profile:** temperature profile can be easily copied from one day to another day by left clicking on the day name and dragging it to the name of another day.

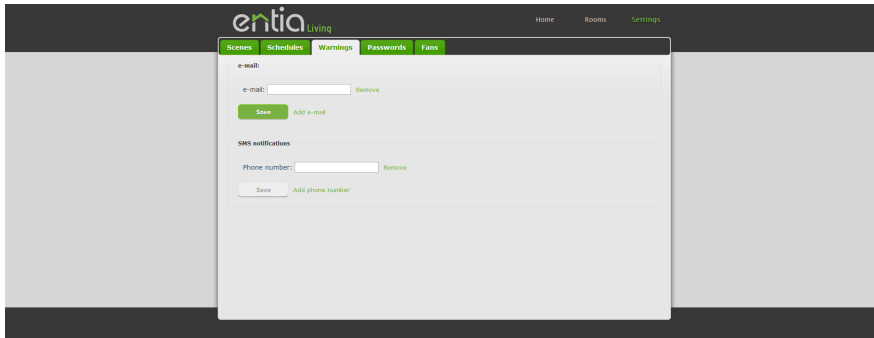
Once the schedule is complete click on the “save” button (up right) to save changes or click on the “close” button to discard changes.



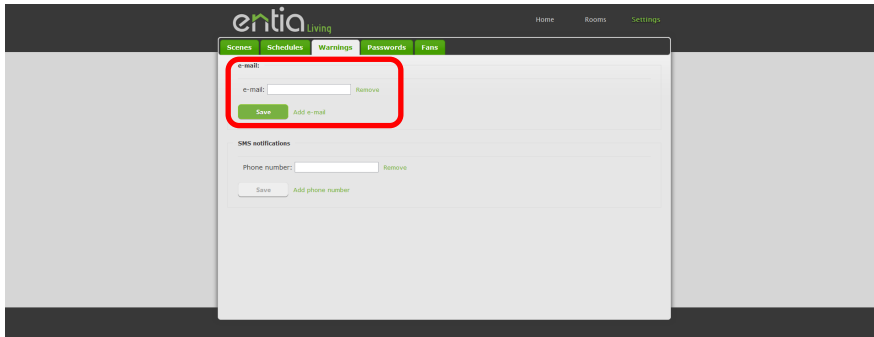
Warnings

The **EntiaLiving** system enables the user to be notified about events (for example states of the alarm devices) even when he/she is not at home. If you navigate to the warnings tab of the settings screen by clicking on the “**warnings**” tab below the **EntiaLiving** logo. The **EntiaLiving** system can alert the user about events via:

- **Email**
- **SMS messages**



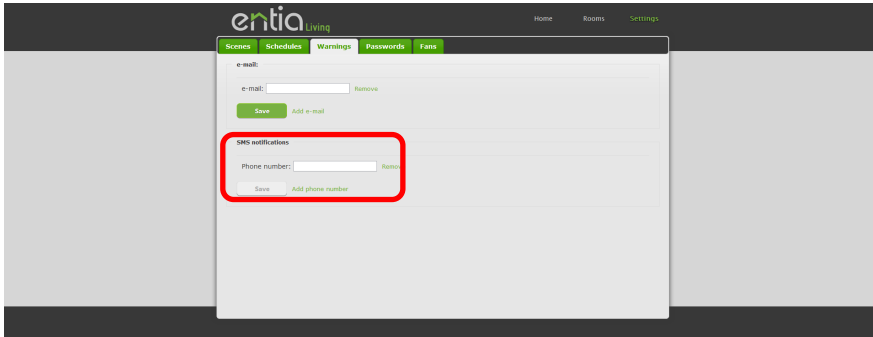
For email alerts you have to enter your email address in the “**email address**” field marked with red on the picture below:



The **EntiaLiving** system can send alerts to multiple email addresses (for example to multiple members of one household). To enable this function click on the “**Add an email address**” to add a new field into which you can enter another email address. If you wish to remove an email address from the alert notification simply click the “**Remove**” button next to the address you wish to remove.

After all the email addresses are defined, click on the “**Save**” button to confirm changes.

For SMS alerts you have to enter your phone number in the **“phone number”** field marked with red on the picture below:

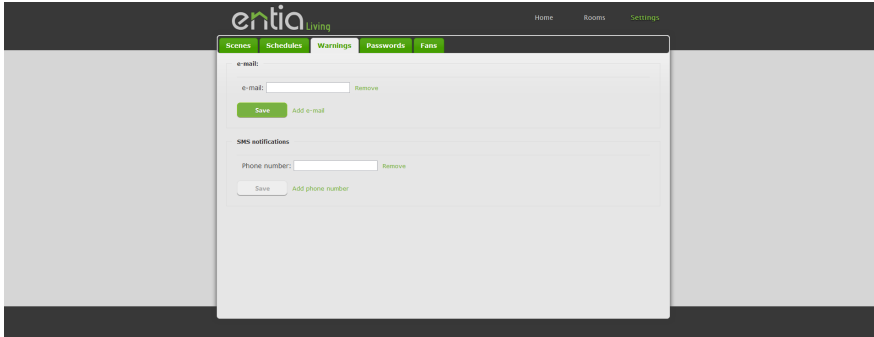


The EntiaLiving system can send alerts to multiple phone numbers (for example to multiple members of one household). To enable this function click on the **“Add a phone number”** button to add a new field into which you can enter another phone number. If you wish to remove a phone number from the alert notification simply click the **“Remove”** button next to the number you wish to remove.

After all the phone numbers are defined, click on the **“Save”** button to confirm changes.

Setting the security passwords

To modify the login **password and/or PIN code** click on the **“passwords”** tab of the settings screen on your personal **EntiaLiving** webpage. To change the password/PIN code simply enter the new password/PIN into the appropriate field and click on the **“save”** button to confirm changes.



Entia d.o.o.

Address: Zahvrh pod Šmarno Goro 13E, 1000 Ljubljana

Phone: +386 (0) 59 923 695

Email: info@entia.si

Fax: +386 (0) 59 923 695

Web: www.entia.si

