

# GAME OF LIGHTS

KIT FOR CONTROLLING LIGHTS  
VIA SMARTPHONE



PERFECT LIGHT  
ATMOSPHERE FOR EVERY  
OCCASION AND MOOD.

**inELS**<sup>®</sup>  
smart home solutions

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User's manual 2.0



EVEN YOUR HOME  
CAN „**SHINE**“!

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TECHNICAL SUPPORT



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# GAME OF LIGHTS

## CONTROL YOUR LIGHTS VIA SMARTPHONE

It has never been easier to set the appropriate ambience for reading a book, watching a movie or a party with friends. All you need is wireless bulbs and Smart RF box. Then you can control every device from the comfort of your smartphone, tablet or smart TV. You can control not just colored or white light bulbs, but other appliances too.

*This kit will open up new horizons for home automation. It can be extended any time you need and according to your wishes. Depends on you if you want to find something new and upgrade your current installation.*

*Thank you for buying the kit GAME OF LIGHTS.  
Another kits and additional units can be found on the last pages  
of the manual or at our webpage:*

*[www.inels.com/kits](http://www.inels.com/kits)*

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## LEGEND:

- **Smart RF box** – the mediator between smartphone and wireless units
- **RF (Radio Frequency)** – a radio frequency signal for communication of wireless devices. It works at 868 MHz frequency. The signal goes through buildings which affect the signal (see page 7)
- **Unit, wireless unit, RF unit** – it is a receiver or actuator, which receives RF commands and controls connected devices. It can be e.g. bulb, switching socket, thermostatic valve etc.
- **RGB** – Red-Green-Blue - used for LED bulbs and LED strips, the color chips can mix up any color
- **Application** – iNELS Home Control (iHC) is an app for smartphones free to download from GooglePlay (Android) or iTunes (Apple, iOS). App for controlling wireless units.
- **Network cable** – LAN or PATCH cable used to connect devices within a LAN network (e.g. Smart boxes and Routers)
- **LAN** – Local Area Network, a computer network. Computer cables (UTP) are distributed throughout the building and connected to switch. They connect computers and other IP devices connected to network.



# KIT CONTENT

Order code: 4931



3x

## WIRELESS RGB BULBS RF-RGB-LED-550

These LED bulbs contain three color chips (RGB), which can mix up any color (including white) at different temperatures.

- bulb has a built-in receiver and dimmer, so it can be easily replaced for the original bulb
- **function:** colorful scenes, brightness setting, color blending
- **parameters:** RGB chips, power supply 230V AC, power 9 W, luminous flux of 550 lm, E27 socket, dimension 65 x 115 mm

Order code: 4684



1x

## SMART RF BOX eLAN-RF-003

The smart box is the mediator between your controller (phone, tablet, Samsung Smart TV) and wireless units controlling lights, heating, blinds, sockets and other appliances.

- appliances can be controlled from your home WiFi network
- if you would like to control your appliances once you are not at home, please contact your network provider (it is necessary to preset your router)
- **parameters:** connection LAN RJ45, power supply 10 to 27 V DC (adapter included in the package), dimension 90 x 52 x 65 mm

Order code: 6700



1x

## NETWORK CABLE 1M

Order code: 6719



1x

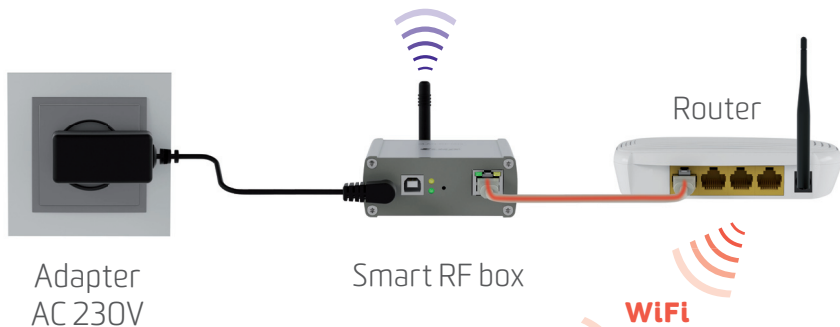
## POWER ADAPTER

## HOW DOES IT WORK?

- Smartphone sends a command over WiFi network to Router, that is connected with Smart RF box. It converts this command to wireless command to control bulb.



Each wireless bulb is numbered 1,2,3, that corresponds to a device type name in App (the default names of the light bulbs - Light 1, Light 2, Light 3). It is possible to connect up to 40 colored bulbs or other wireless units (see page 24-27).



Adapter  
AC 230V

Smart RF box

Router

WiFi

Control range of your smartphone depends on your Wi-Fi coverage (power).

### Remote control

If you want to control your devices even outside the house, contact your IT administrator.



# RANGE OF RF SIGNAL

The range of RF signal is **up to 200m** in the free open air.

## TRANSMISSION OF RADIOFREQUENCY SIGNALS IN VARIOUS MATERIALS



brick walls

60 - 90 %



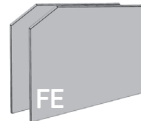
wooden structures with plaster boards

80 - 95 %



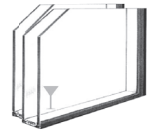
reinforced concrete

20 - 60 %



metal partitions

0 - 10 %

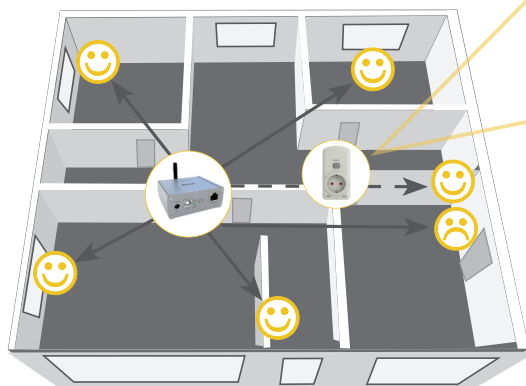


common glass

80 - 90 %

## INSTALLING A WIRELESS TOUCH UNIT

- Place a Smart RF box in the best possible position from Wireless units.
- Optimal placement of Smart RF box is in the middle of space between other RF units.
- Please keep in mind, that the number of walls, ceilings reduces the signal strength and thus limit the range of wireless units.



**REPEATER**  
to extend  
the range

Order code: 4510



In case of insufficient connection between RF units, we offer the following possibilities:

- **RELOCATE A UNIT**
- **USE REPEATER** (plug-in signal repeater) - install between Smart RF box and wireless unit which is out of the range.

# HW INSTALLATION

1. Simply replace your existing bulbs by remotely controlled one.



2. Connect Smart RF box to the socket (via adapter) and to your router (via network cable).



*Plug adapter into the nearest power socket and connect to Smart RF box.*

*Connect Smart RF box with Router via network cable.*

## Remote control

If you want to control your devices remotely (out of the house), please contact your Internet service provider.

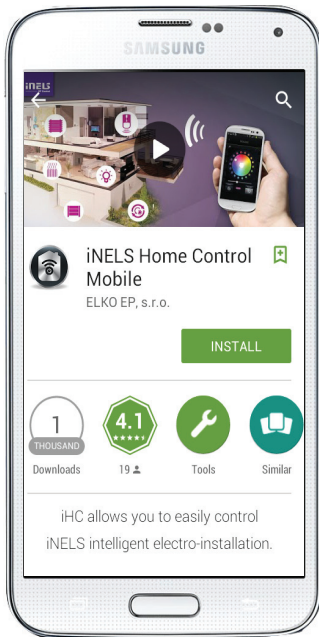
## IP address

Smart RF box has a DHCP, what means that it automatically assigns itself an IP address from the range of your network settings. In the case of other settings of your network please contact our technical support or your Internet provider.

# APP DOWNLOAD

## 1. Download app to your smartphone.

- You can download Apps from your Google Play (for smartphones with Android operating system) or from iTunes (for iPhone). App is free to download and there is no monthly fee.



**IHC - MARF**



Link to your App:  
[play.google.com](http://play.google.com)

ihc-marf



**IHC - MIRF**



Link to your App:  
[itunes.apple.com](http://itunes.apple.com)

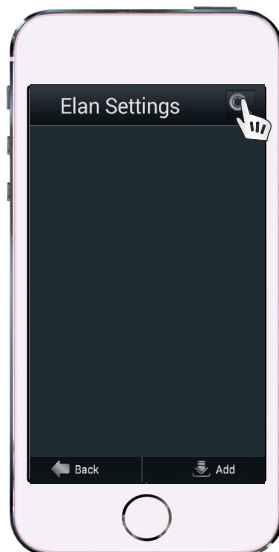
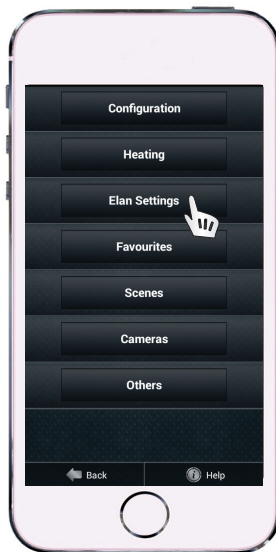
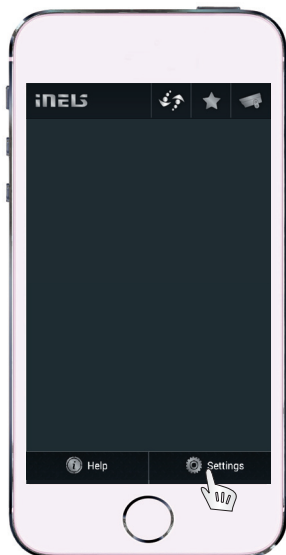
ihc-mirf



# FIRST RUN

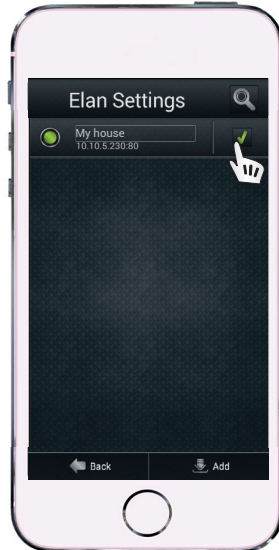
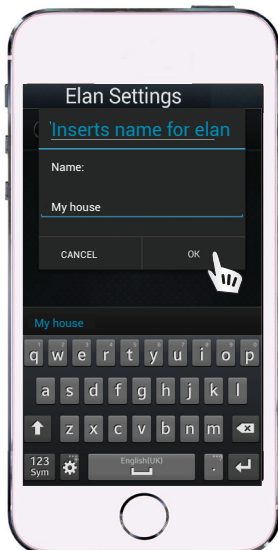
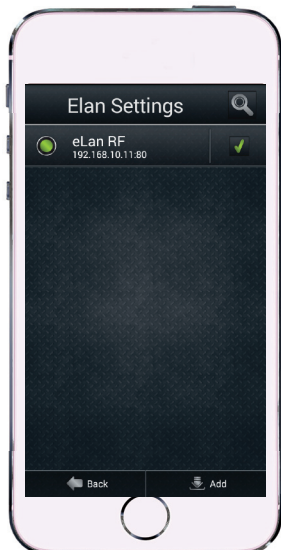


Make sure your smartphone is connected to the same Wi-Fi network as Smart RF box.



To set the IP address press the „Settings“.

Then tap the Tab „eLAN Settings“, and click on the magnifying glass icon in the upper-right corner. The searching of Smart RF box is performed.



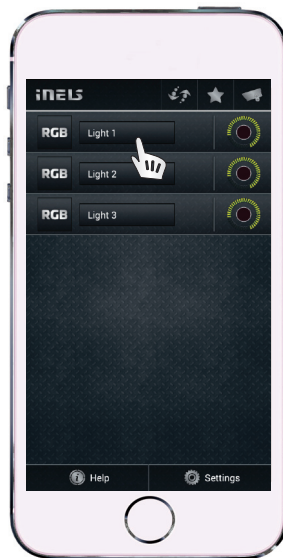
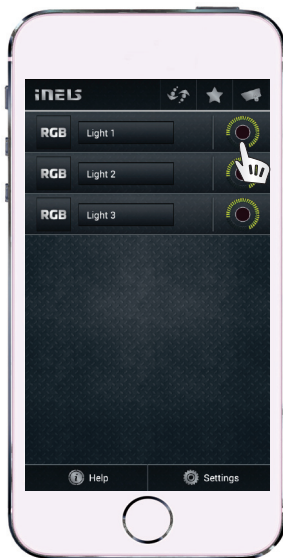
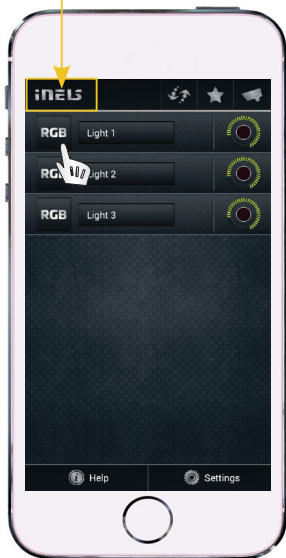
You can give any name to Smart RF box. On the right side of the screen confirm your selection of Smart RF box (green symbol). Then double tap the Back button to return. The home screen will appear with notification „New data downloading“ and then the preset items will be displayed.

Wait please.

Stahuj nové data

# APP CONTROL

Click on the icon „iNELS“ to return to the Home screen.



By clicking the individual items (Light 1, Light 2, Light 3) you switch bulbs ON/OFF.

State ON/OFF is displayed on the right in round indicator.

Hold your finger on the name to open the extended control.



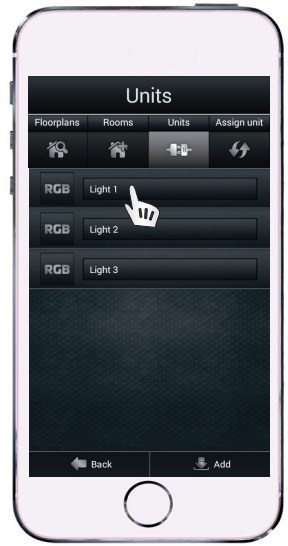
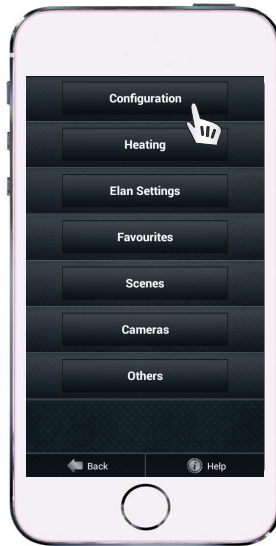
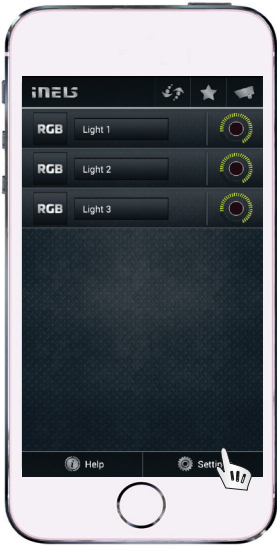
- Color selection - choose the color from the main area or by pressing the color icons around the main area you can change the color of your bulb
- ON/OFF- tap the icon ON/OFF
- Brightness- drag your finger across the slider to adjust the brightness of the bulb
- Circus mode - automatic blending of colors

After turning it off and on again, the bulb saves last used value of brightness.



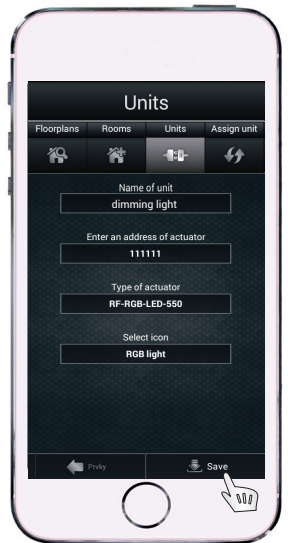
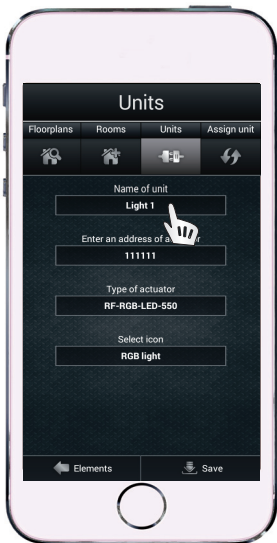
# EDIT THE UNIT NAME

The default names of the light bulbs can be changed.



Click on the „Settings”, then on the „Configuration”.

Units - the list of the added units.

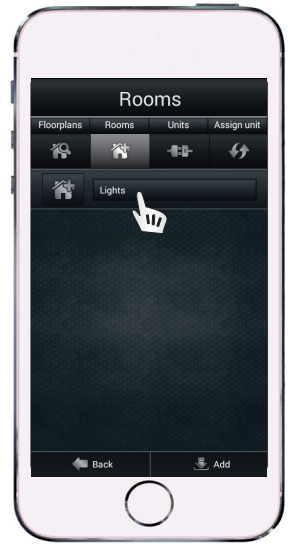
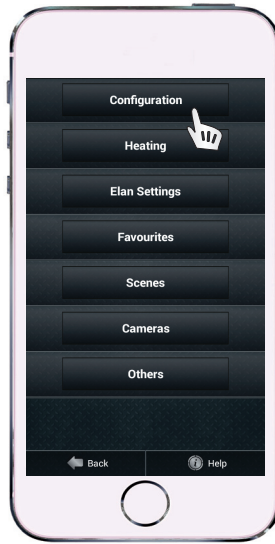
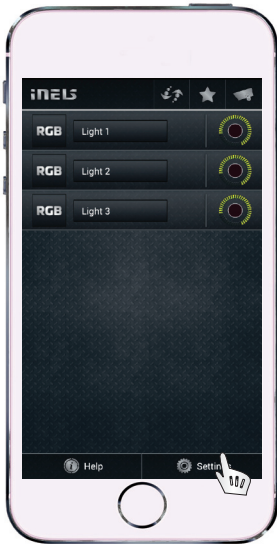


Select the unit whose name you want to change and edit the Unit name. To stop recording changes, click the Save button. By pressing the Back button you will return to the Menu Units.

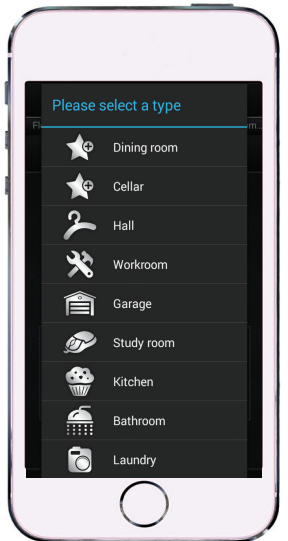
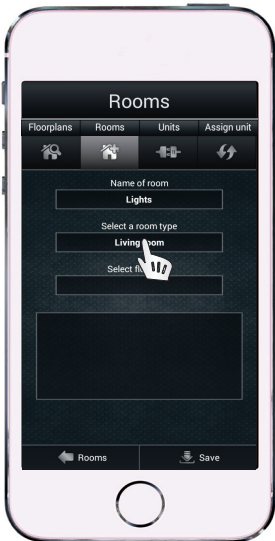
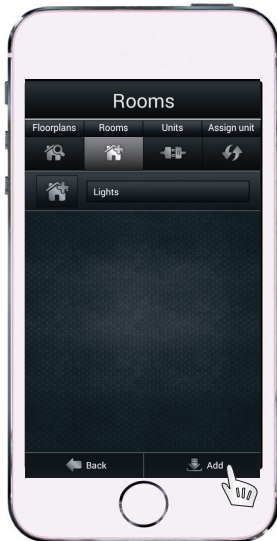


# CREATE ROOMS

The room is used to group units.

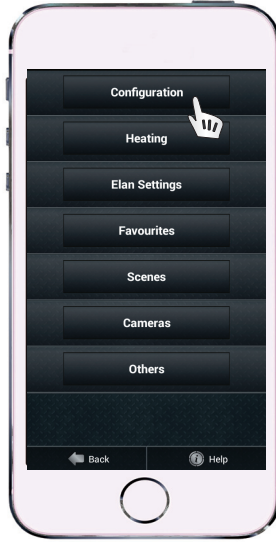
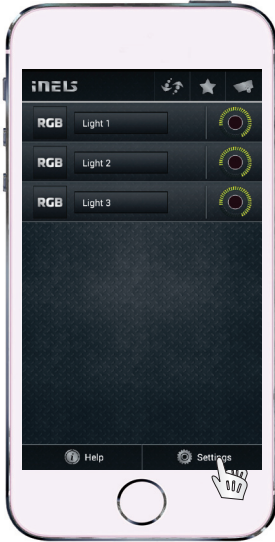


Click on the „Settings“. Then on „Configuration“ and „Rooms“.

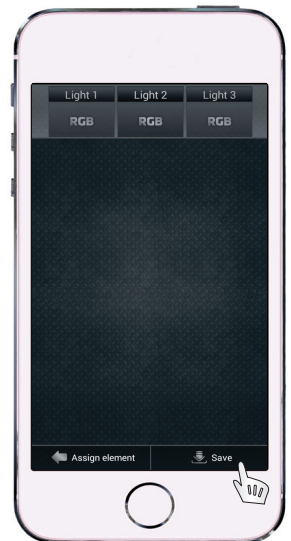
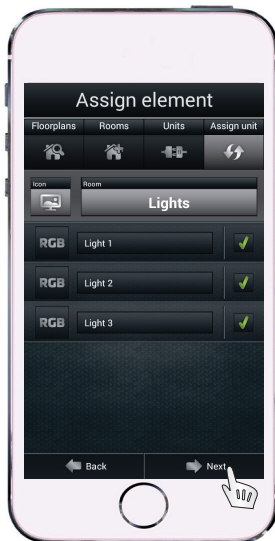
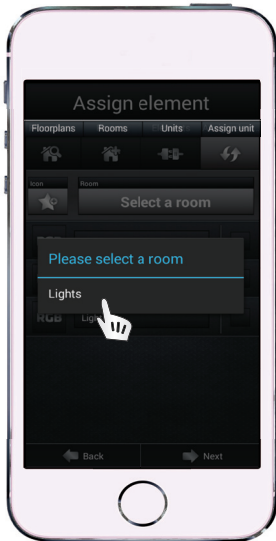


Click the Add button. Enter any name and select a type of the room (the room type determines the icon associated with the room). In the same way you enter the next room (the room Lights is set as default).

# ASSIGN A NEW UNIT



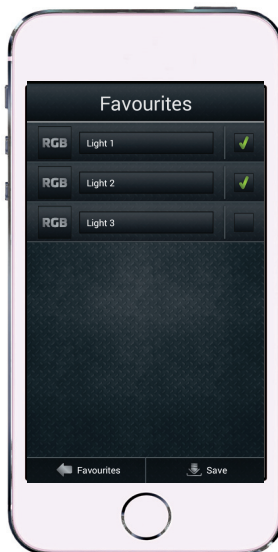
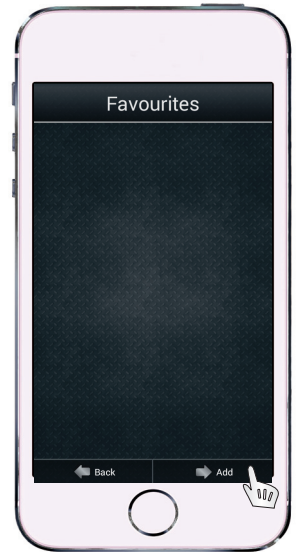
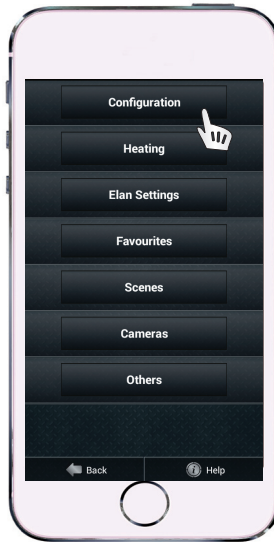
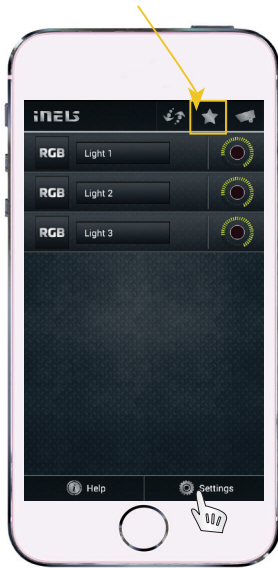
Click on the „Settings“, then on „Configuration“ and assigning units.



Select the room to that you want to assign the units then tick the units, which you want to assign to the room and click „Next“.

# TAB FAVORITES

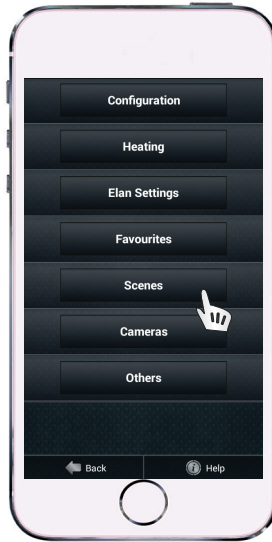
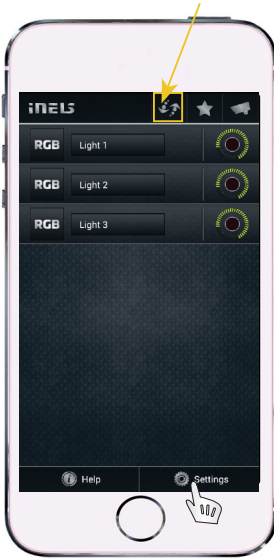
*Tab Favorites is used to choose the most commonly used Units.*



*Click on the „Settings“ and then on the Tab „Favorites“. Press the Add button to open the list of all Units. Select the required units and by pressing the Save button you can assign them to the list.*

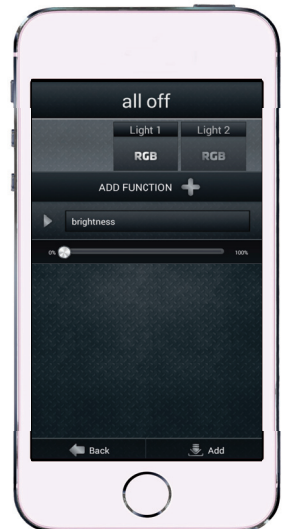
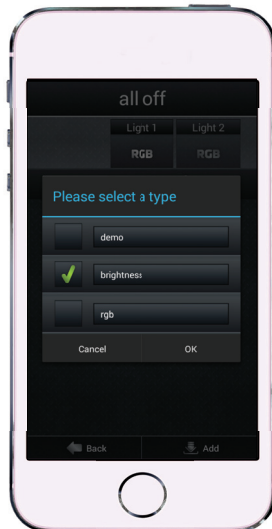
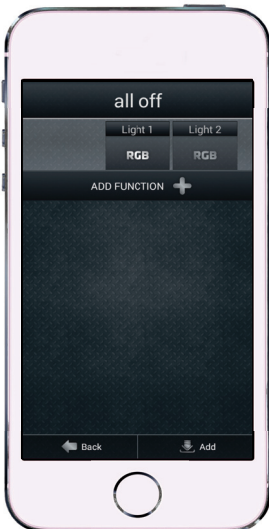
# TAB SCENES

The Scene is used to perform multiple operations - by pressing a single key you can run several commands at once.



Click on the „Settings“ and then the Tab Scenes.

Pressing the Add button creates a Scene name, then select the units and click Next.

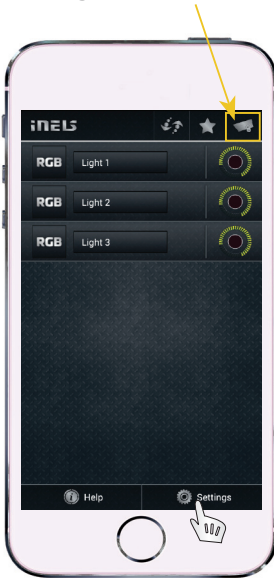


You can assign several functions to the units from the menu bar at the top. Click on the function and drag your finger across the slider to adjust the brightness (e.g. brightness 0%). In the same way you will assign the function to other units. Then press Add.

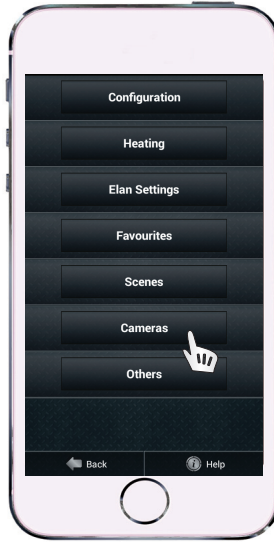


# TAB CAMERA

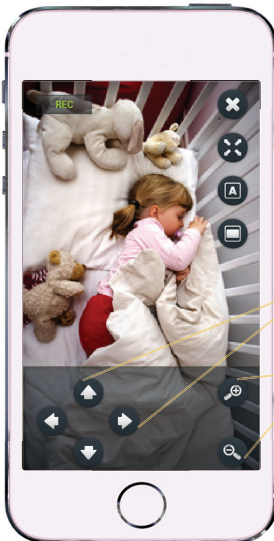
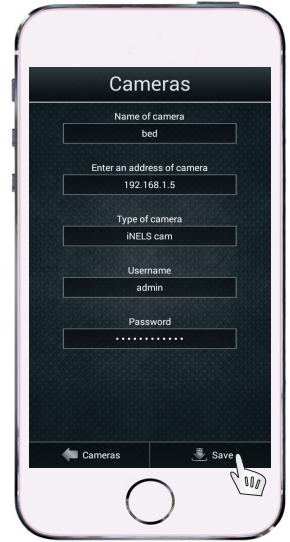
To App you can connect and monitor up to 10 cameras such as iNELS cam or Axis.



Click on „Settings“ and then on Tab Camera.



Please enter all required data on the screen and then press button „Save“.



Directional control

Zoom

### iNELS cam:

The name of camera: Any  
 Enter the camera address: Any (default 192.168.1.5)  
 The camera type: iNELS cam  
 Login: admin  
 Password: dumpodpalcem

### Axis:

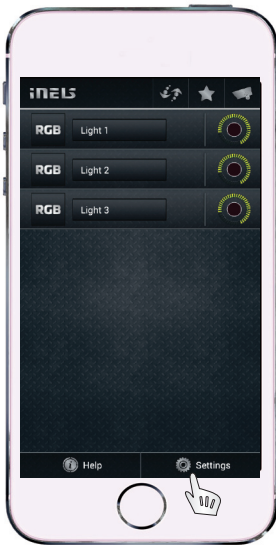
The name of camera: Any  
 Enter the camera address: IP address assigned according to your network  
 The camera type: Axis  
 Login: root  
 Password: pass

**PTZ** (pan-tilt-zoom) - remote directional and zoom control

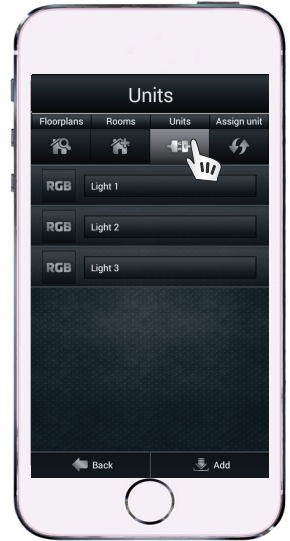
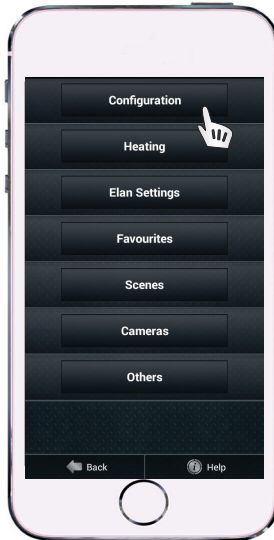
Some cameras Axis provide pan, tilt and zoom functions (PTZ). In the app you can control motion picture (enabling wide area coverage) and zoom in/zoom out (by button plus/minus).

Complete list of supported cameras can be found at: [www.inels.com](http://www.inels.com)

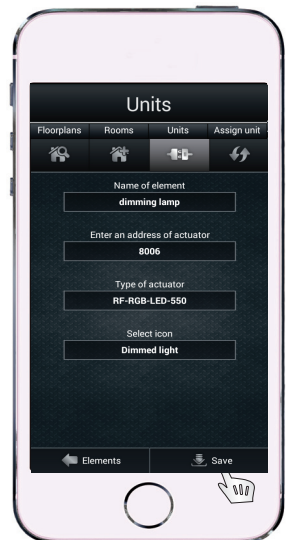
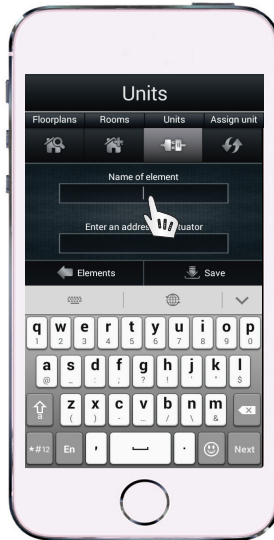
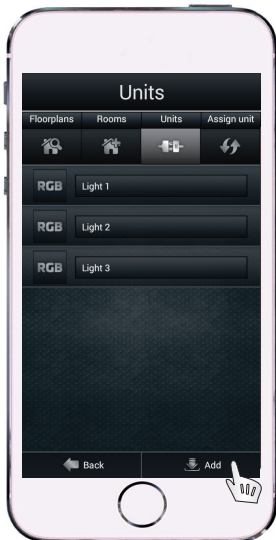
# ASSIGN A NEW UNIT



Click on the Settings, then on Configuration.

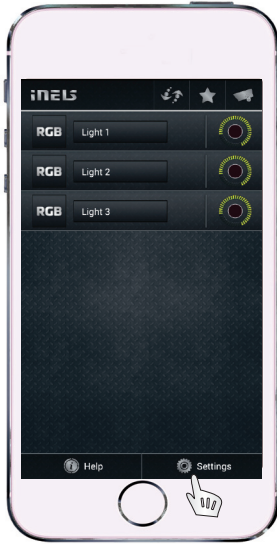


Click on the Tab Units.

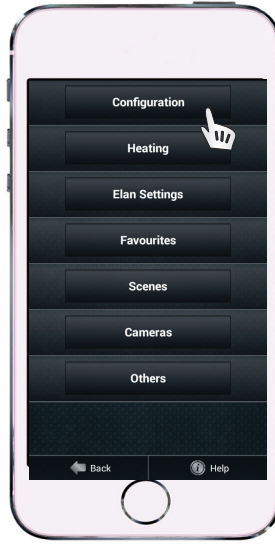


To assign other Units click on Add. Enter the required data (The unit name: Any, The unit address: see Fig.1, The unit type: any - see Fig.1, select the icon: according to the function of the unit). Press „Save“ to add a new unit.

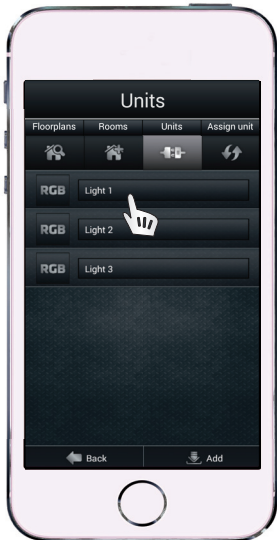
# DELETE A ROOM/UNIT



Click on the „Settings“ and then the „Configuration“.



Click on the Tab Units or Rooms depending on what you want to delete.



Delete using long press.

## MARKING IP ADDRESSES AND TYPES OF INDIVIDUAL UNITS

Fig.1

**DESIGN BOX**  
Unit type: RFSA-61B  
Address: 00150A

**DESIGN THERMOVALVE**  
Unit type: RFATV-1  
Address: 007585

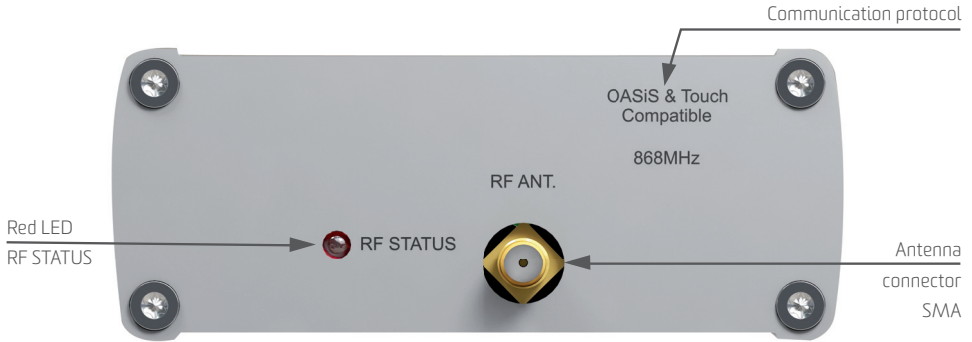
**DESIGN SOCKET**  
Unit type: RFSC-61/F  
Address: 005A95

**DESIGN MODULE**  
Unit type: RFSA-66M  
Address: 00205A, 00205B, 00205C, 00205D, 00205E, 00205F

Note: the addresses used for illustration and are unique.

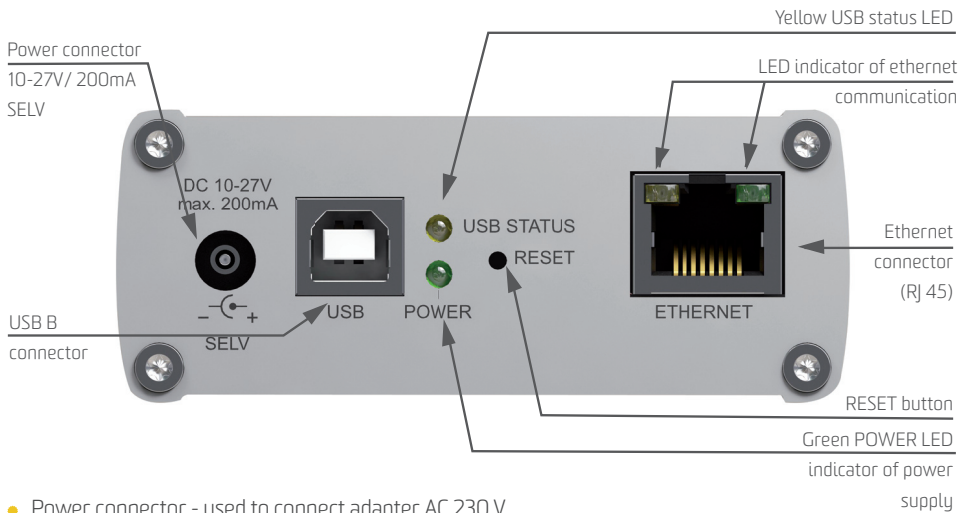
# DESCRIPTION OF SMART RF BOX

## Front panel



- Red LED RF STATUS - indication of RF transmission
- Oasis & RF Touch Compatible - defines the format of RF commands (RF Control system communication)
- Antenna connector - used to connect RF antenna

## Rear panel



- Power connector - used to connect adapter AC 230 V
- USB connector - in case of a power from USB and service purposes
- LED indication of ethernet communication - when pressing the button in the App, the LED is blinking
- POWER - power indicator
- RESET - device reset to the factory default settings



# TECHNICAL PARAMETERS OF SMART RF BOX

## RF Control interface

Communication protocol:	iNELS RF Control - RFIO
Transmitting frequency:	868 MHz
Signal transfer method:	two-way addressed message
Output for antenna:	SMA connector
Indication of RF communication:	red RF Status LED
Antenna:	1 dB (included in the package)
Range in free space:	up 100 m

## Ethernet communication

ETH operating status indicator:	green LED
ETH communication indicator:	yellow LED
Communication interface:	10/100 Mbps (RJ45)
Supply voltage / Rated current:	10-27V DC / 200 mA
PoE supply:	Max. 27V / 200mA
Connection:	Jack connector Ø 2.1 mm
Supply voltage indicator:	green LED Power

## Others

More power options:	connector USB-B
Indicator of USB activity:	yellow USB Status LED
Power supply:	230 V AC / 12V DC included in the package
Operating temperature:	-20 .. +55 °C
Storage temperature:	-25 .. +70 °C
Degree of protection:	IP 20
Pollution degree:	2
Operating position:	any
Installation:	any
Design:	aluminum box
Dimension:	90 x 52 x 65 mm
Protection:	IP 20

## Factory settings

RESET button:	restart / device reset to the factory default settings
Username:	admin
Password:	elkoep
IP address:	192.168.1.1

If you want to change the IP address of Smart RF box, please do that through the web interface. The detailed instructions can be found at webpage [www.inels.com/kits](http://www.inels.com/kits).

# WIRELESS RGB BULB

## Bulb description

### Energy label

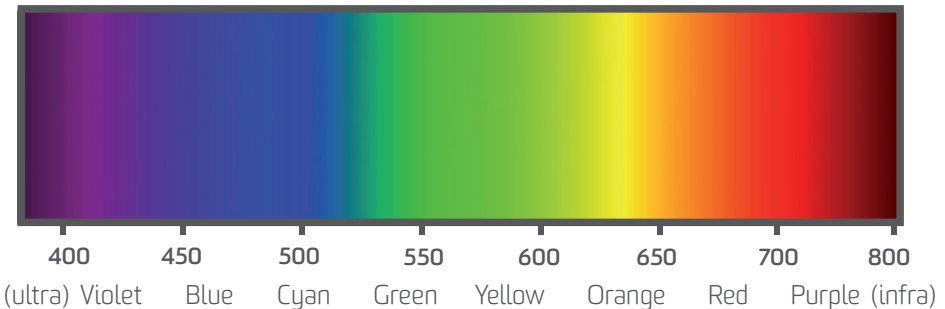
<b>Ενεργειακό Energy label</b> 	
<b>A</b>	<b>A</b>
B	
C	
D	
E	
F	
G	
<b>550</b>	<b>Lumen</b>
<b>6</b>	<b>Watt</b>
<b>30 000</b>	<b>h</b>



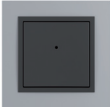
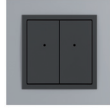



# TECHNICAL PARAMETERS OF WIRELESS BULB

Power supply:	100-240V AC/50/60 Hz
Max. power:	9 W
Power factor:	<0.6
Beam angle:	360°
RGB:	16,7 million colors
<b>Output</b>	
Light output:	6 W
Luminous flux:	550 Lm
Color temperature:	RGB
Brightness control:	0-100 %
Service life:	30 000 hours
<b>Control</b>	
RF comm. from transmitter:	868 MHz
Range in open space:	up to 20 m
<b>Other data:</b>	
Working temperature:	0 .. + 50 °C
Storage temperature:	-30 .. + 70 °C
Connection:	E27 base
Operating position:	any
Dimensions:	65 x 115 mm
Weight:	150 g



## SPECTRUM (wavelength in nm)






## CONTROLLER

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>WIRELESS WALL CONTROLLER</b> Each of the 2 independent push-buttons can control any number of wireless units (switches, dimmers, shutters). In the design of LOGUS <sup>90</sup> switch (plastic, glass, metal, wood, stone). Battery-powered 3V/CR2032. Color: white.	<b>RFWB-20/G</b>  4037
	<b>WIRELESS WALL CONTROLLER</b> Each of the 4 independent push-buttons can control any number of wireless units (switches, dimmers, shutters). In the design of LOGUS <sup>90</sup> switch (plastic, glass, metal, wood, stone). Battery-powered 3V/CR2032. Color: white.	<b>RFWB-40/G</b>  4060
	<b>4 BUTTON CONTROLLER - KEYCHAIN</b> Wireless controller sends a command to switch ON/OFF or dim any wireless device after pushing the button. You can control independently up to 4 devices. By one touch, you can switch ON any number of units at once. Battery-powered 3V/CR2032.	<b>RF KEY</b>  4375
	<b>WIRELESS REMOTE CONTROLLER WITH DISPLAY</b> Universal controller with display enables you to comfortably control wireless units, using all their functions. It enables to create rooms, scenes and favorites sections/folders. It is possible to preset up to 40 units. Battery-powered 2xAAA.	<b>RF PILOT</b>  4376
	<b>WIRELESS CONTACT CONVERTER</b> Transmitter serves as the contact converter of external device to the commands for wireless units. It contains 2 inputs, that can be switched ON permanently (by push-button or switch). Battery-powered 3V/CR2477, into an installation box.	<b>RFIM-20B</b>  4175





## SWITCHES

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>SWITCHING SOCKET</b> Quick solution for wireless control of plug-in appliances, when the switching socket is installed between the existing socket and a plug-in appliance. Output contact 16A/4000W, 6 functions, it is possible to control up to 32 controllers. Dimen.: 60x120x84 mm.	<b>RFSC-61</b>  French: 4560 Schuko: 4562 British: 4544
	<b>WIRELESS SWITCH UNIT - 6</b> 1-channel and 2-channel switching actuator intended to be mounted into an installation box, that can switch any device. It can control up to 32 controllers. Power supply 230V. RFSA-61B: Switching contact 16A/4000W. RFSA-62B: 2 independent 8A/2x2000W contact.	<b>RFSA-61B (RFSA-62B)</b>  4499 (4770)





## SWITCHES

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>WIRELESS SWITCH UNIT - 6 OUTPUTS</b> 6-channel switching actuator intended to be installed in the switch-board contains 6 independent 8A contacts, that can switch any device connected in switchboard. Power supply 230V. The antenna AN-I included in the package can be replaced by external type AN-E what eliminates the influence of metal door of switchboard.	<b>RFSA-66M</b>  4282
	<b>SWITCH UNIT FOR OUTDOOR USE</b> 1-channel switching unit in the box that provides higher protection level. Intended for outdoor installation suited for wet, humid and dusty areas. Output switching contact 12A/3000W, power supply AC 230V, 6 functions. It is possible to control up to 32 controllers. Enclosure IP65, dimension 136x62x34 mm, color: grey.	<b>RFUS-61</b>  4526
	<b>SWITCH UNIT FOR SHUTTERS (CONTACTLESS)</b> Used to control shutters, blinds, awnings, garage doors, gates, skylights - all devices that can be controlled in two directions. It can be controlled by up to 32 push-buttons of any controller. Intended to be mounted into an install. box or to the motor housing. Power supply AC 230V, switching capacity for the contact is 8A.	<b>RFJA-12B</b>  4682




## DIMMERS

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>DIMMING SOCKET (MULTI-FUNCTION)</b> For dimming of lamps and lighting construction, when the switching socket is installed between the existing socket and the lamp. It allows you to dim incandescent bulbs, halogen lamps, dimmable energy saving bulbs and modern LED lighting sources up to 300 W.	<b>RFDSC-71</b>  4594
	<b>UNIVERSAL DIMMER (INBUILT)</b> Wireless multifunction (7 functions) dimmer used to dim incandescent bulbs, halogen lamps, ... The type of lighting source is selected using the rotary switch. Intended to be mounted into an installation box. Power supply AC 230V.	<b>RFDEL-71B</b>  4512
	<b>DIMMER FOR COLOURED (RGB) LED STRIPS</b> Dimmer intended to be mounted in a switchboard to control coloured RGB. Strips with max. power 70 W / channel that corresponds to approximately 10 m of RGB strip. Power supply DC 12-24-V, option of color blending mode, control through keychain, RF Pilot or App.	<b>RFDA-73M/RGB</b>  4681
	<b>UNIVERSAL DIMMER</b> Wireless multifunction (7 functions) dimmer used to dim incandescent bulbs, halogen lamps, dimmable energy saving bulbs and modern LED lighting sources up to 600W of power. Power supply AC 230V.	<b>RFDEL-71M</b>  4897



## LIGHTING

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>COLOURED RGB LED STRIP, 5 METERS</b> Coloured RGB strip, 7.2W/m (30 LED chips / m), length 5 m, width 11mm, outdoor-proof design, also designed for installation on aluminium rails, adhesive tape, it can be shortened by 10 cm, luminous flux of 660 lm/m, control by RFDA-73M dimmer, power supply 12V.	<b>7,2W, RGB, 30LED/M</b> 6630
	<b>POWER SUPPLY FOR 5 M RGB STRIP</b> Power supply 230V/12V/60W to power 5m of RGB strip. Intended for outdoor use (IP67), dimension 162,5 x 42,5 x 32 mm.	<b>DC 12V/5A 60W</b> 6589
	<b>WIRELESS COLOURED BULB</b> This RGB LED bulb consists of 3 color chips which can mix up any color at different temperatures. Bulb has a built-in receiver and dimmer, so it can be easily replaced for the original bulb. Other functions: colorful scenes, brightness setting etc.	<b>RF-RGB-LED-550</b> 4931
	<b>WIRELESS WHITE BULB</b> This bulb comes in both warm and cool white, it has built-in wireless receiver and dimmer, it can easily be placed in any existing base and control by any controller.	<b>RF-WHITE-LED-675</b> 4936





## TEMPERATURE CONTROL

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>WIRELESS TEMPERATURE CONTROLLER</b> Digital thermostat in the design of the LOGUS <sup>90</sup> switch (plastic, glass, metal, wood). It measures the room temperature and according to the set heating program (weekly mode) it sends commands to the switching unit (heating device). Battery-powered (2xAAA). It is possible to control up to 4 heating circuits.	<b>RFTC-50/G</b> RFTC50/G/ BR/BR
	<b>SWITCH UNIT WITH A TEMPERATURE SENSOR</b> Temperature unit in the design of LOGUS <sup>90</sup> switch. It measures the temperature and switch a heating circuit at the same time. Relay contact 8A/2000W, power supply 230V, the possibility to connect an exter. temperature sensor. It is possible to connect up to 30 units.	<b>RFSTI-11/G</b> RFSTI-11/G/ BR/BR
	<b>WIRELESS THERMOVALVE</b> Wireless thermo valve measures the room temperature and sends it to the Smart RF box, that compares the temperature records with the set temperature and according to set program it sends a command to open or close the radiator valve.	<b>RFATV-1</b> 6307

## TEMPERATURE CONTROL

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>WIRELESS TEMPERATURE SENSOR</b> Internal or external sensor measures the temperature starting from -20 up to 50°C. Intended to be mounted into an installation box, but it can be also placed anywhere. Recommended external sensor - TC/TZ 3-6-12 m. Battery-powered 3V/CR2477.	<b>RFTI-10B</b>  3175
	<b>THERMODRIVER</b> Electric thermodrives to be mounted on the radiator valve (including adapter VA80 for valves Heimeier, Oventrop, Schlösser, Herb or Onda (M30 x 1,5)). Power supply: 230 V (closed without power).	<b>TELVA/230V</b>  6602

## SYSTEM UNITS

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<b>WIRELESS TOUCH UNIT - SURFACE MOUNT</b> Used to control up to 40 wireless units. Besides switching, controlling and dimming, it includes thermostats with weekly programming and it also enables to connect detectors. In the size of the switch, with frames in the LOGUS <sup>90</sup> design intended for surface-mounted installation. Power supply 230V. White color.	<b>RF TOUCH - W</b>  RFTW-AWH- -BWH-CWH
	<b>SMART RF BOX, SMART WI BOX</b> The mediator between your controller and wireless units controlling lights, heating, shutters, sockets and other appliances. eLAN-RF-003: It is connected to LAN network of your router and it is placed to ensure the visibility to other controlled units. eLAN-WI-003: App for controlling is free to download from GooglePlay or iTunes Store.	<b>eLAN-RF-003</b> <b>(Wi-003)</b>  5173 (4872)
	<b>IP CAMERA FOR OUTDOOR USE</b> Indoor color camera D-Link DCS-933L/E can be easily connected to LAN through cable or to wireless WiFi network. It is possible to monitor up to 10 cameras in the App. Resolution 640x480, dimension: 80x115x80mm, power supply: included in the package 5V/1A.	<b>iNELS CAM</b>  6703
	<b>MULTIFUNCTIONAL GSM COMMUNICATOR</b> GSM gate intended to be mounted in a switchboard enables a remote control of wireless units via SMS text message. It can also send SMS text message containing information about the status of wireless units. It contains 4 binary inputs for signals and 2 relay outputs 8A/2x2000W to switch directly the unit.	<b>RFGSM-220M</b>  4604
	<b>REPEATER TO EXTEND THE RANGE</b> Repeater in the socket design, that is used to increase the range of signal or in case of low signal between controller and unit. It is possible to repeat the signal of up to 20 units.	<b>RFRP-20</b>  4510

# THE OVERVIEW OF OTHER KITS

## REMOTE HEATING

ORDER CODE: 5456



1x SMART RF BOX



3x WIRELESS THERMOVALVES



### KIT TO CONTROL HEATING VIA SMARTPHONE

Includes 3 wireless thermo valves that are installed instead the standard radiator valves. They measures the room temperature and send it to the Smart RF box. Smart RF box compares it with the temperature set along with the time schedule in the application of your phone and sends a command to open or close the valve. You can always turn on the heating circuit via app, whether you're at home, or just going to visit your cottage and do not want to come to unheated place.

## EASY HEAT REGULATION

ORDER CODE: 5458



1x TEMPERATURE CONTROLLER



1x SWITCHING SOCKET



### KIT FOR WIRELESS TEMPERATURE REGULATION IN THE HOME

This kit enables convenient and quick control of heater, oil heater, panel heater or portable air conditioner. Just plug the device into controlled switching sockets and appropriately place your controller RFTC-50G. The desired temperature is set on the controller, that compares it with the current record and it sends a command to turn the device ON.



# THE OVERVIEW OF OTHER KITS

## HEATING WITH SAVINGS

ORDER CODE: 5455



1x WIRELESS CONTROL UNIT RF TOUCH



3x WIRELESS THERMOVALVES



### KIT TO CONTROL HEATING VIA WIRELESS RF TOUCH UNIT

Includes 3 wireless thermovalves that are installed instead the standard radiator valves. Measures the room temperature and sends it to the RF Touch control unit. RF Touch compares it with the temperature set along with time schedule and sends a command to open or close the valve. You can set heating programs in the weekly schedule, separately for each circuit (room).

## RADIO & MUSIC IN THE SWITCH

ORDER CODE: 5454



1x LARA RADIO



2x SPEAKERS



### KIT FOR CONROLLING MUSIC, WHICH PERFECTLY FITS IN YOUR HOME'S INTERIOR

LARA is a music and internet radio player. We have registered 40 favorite Czech radios stations as presets stations, but you can easily change it using configurator. LARA plays the music stored in the NASA storage or in the external source (phone, MP3 player) connected through cable on the front panel of device. Inbuilt amplifier allows direct connection of speakers (in the same LOGUS 90 design) or allows connection of external in-wall or ceiling speakers.

# THE OVERVIEW OF OTHER KITS

## ONE CONTROLLER FOR ALL

ORDER CODE: 5457



1x SMART IR BOX



3x IR TRANSMITTER



## KIT FOR CONTROLLING IR DEVICES VIA A SMARTPHONE

Thanks to Smart IR box, you can control home appliances via a Smartphone. Thus you no longer need a bunch of controllers, you do not have to look for them, and you do not need to replace the battery. You always stick your phone in your pocket, always at hand. Moreover, you can control devices which are placed in another room (e.g. you can turn off TV in the children room).

## YOUR HOUSE UNDER „THE THUMB“

ORDER CODE: 5459



1x SMART RF BOX



1x WIRELESS SWITCHING SOCKET



2x COLORED WIRELESS BULB



1x CAMERA



## CONTROL YOUR HOUSE VIA A SMARTPHONE

The kit "House under the thumb" which you hold in your hands is the basic starter kit for all of you, who would like to make your home more comfortable. The starter kit consists of 2 x colored wireless bulbs, 1 x switching socket and 1 x camera, what allows you to try the basic units of iNELS RF Control – wireless solution. Everything is preset to ensure fast and easy installation.

## VIRTUAL KITS

The virtual kit is a set of wireless units that are packed individually (as an individual product), but on the other hand they are preset together (they are meant to work together) to ensure simple installation. They are offered at a discounted price and it is not possible to separate any unit from this price.

### UNDERFLOOR HEATING - BY WATER

Any wireless temperature regulator measures the room temperature, it compares with set temperature and time program, then sends a command to switch on the units. Based on the command from temperature regulator, 6-channels switching unit is able to control up to 6 thermo-valves corresponding to heating circuits.

KIT CONSISTS OF:

Wireless temperature controller RFTC-50/G, wireless switch unit (6 outputs) RFSA-66M, thermodriver TELVA/230V.

### UNDERFLOOR HEATING - BY ELECTRICITY

Temperature and switching unit (two in one) measures the floor temperature via external sensor (inbuild). Then it sends data to wireless touch unit RF Touch, which compares it with the temperature set along with the time schedule and then sends a command back to switch on/switch off the heating circuits. It is possible to connect up to 4 temperature/switching units.

*Advice 1) If just one reference temperature is enough for you, so then it can be measured by temperature sensor RFTI-10B and to switch up to 6 independent heating circuits you can use 6-channels switching actuator RFSA-66M.*

*Advice 2) The wireless unit RF Touch can be replaced by Smart RF box and all can be controlled via your smartphone. Both solution can be used together.*

KIT CONSISTS OF:

Switching actuator with thermosensor RFSTI-11/G, Wireless touch unit RF Touch.

### AGAINST THE FLOOD

A wireless sensor monitors the water leaks or flooding in the critical places (basement, pits, shafts, bathroom, laundry,...) and sends immediately a command to the switching unit to close the solenoid valve of the main water supply. You can be also informed of that accident through GSM gateway by sending SMS text messages.

KIT CONSISTS OF:

Switch unit RFUS-61, wireless flood detector RFSF-1B, flood probe FP-1.

We recommend: solenoid valve: *MPW SS 304 - 1/2 (3/4) 230V AC.*

### COLORED RGB LED STRIP

The app in your smartphone can send (through smart RF box) the commands to the dimming unit to which the RGB strip is connected. From your app it is possible to switch ON/OFF, to set the color or run the scene of automatic color blending.

*Advice 1) The colored RGB strip can be controlled through RF Pilot, by controllers RFWB-20/40, RF key...  
Advice 2) If you do not want the colored RGB strip, we can replace it by monochromatic (warm white, cool white, red, ...). Then you can connect 8 m of monochromatic strip (power 7,2W/m) to RFDA-73M to each output.*

KIT CONSISTS OF:

Smart RF box, dimmer RFDA-73M, 2 x 5m coloured RGB strip 7.2W/m, power supply 230V/12V/100W.

**INELS**<sup>®</sup>  
smart home solutions

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**Manufacturer:**

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