

# YOUR HOUSE UNDER THE THUMB

KIT FOR CONTROLLING HOUSEHOLD  
VIA A SMARTPHONE



ALL DEVICES IN YOUR HOUSE  
ARE COMPLETELY UNDER YOUR  
"THUMB" IN YOUR SMARTPHONE  
- PERFECTLY CONTROLLED HOUSE

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

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

USER'S MANUAL 2.0



EVEN YOUR HOUSE CAN  
BE „**SMART**“!

Would you like some help?

TECHNICAL SUPPORT



+420 800 100 671

[support@inels.com](mailto:support@inels.com)

# YOUR HOUSE UNDER THE THUMB

## 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.

*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 YOUR HOUSE UNDER „THE THUMB“.*

*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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## KIT CONTENT

Order code: 6703



1× **iNELS cam**

Interior color camera, which can be easily connected to a LAN through cable or to a WiFi network. It is possible to connect up to 10 cameras and monitor them in apps.

- **Parameters:** resolution 640x480, night iR illuminator, dimension: 80 x 115 x 80 mm
- **Power supply:** adapter 5V/1A (included), articulated bracket to set position

Order code: 7410



1× **ROUTER D-LINK  
GO-RT-N150**

D-Link GO-RT-N150 is the ideal network router with the wireless access point. Serves to connect all units from the kit together and enables you connection with your home network.



## KIT CONTENT

Order code: 4931



2x

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

This LED bulb contains 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 easily replace the original bulb
- **function:** colorful scenes, brightness setting, color blending
- **parameters:** RGB chips, power supply 230V AC, power consumption 9 W, luminous flux of 550 lm, E27 socket, size 65 x 115 mm



French  
4560

Schuko  
4562

British  
4544

1x

### SWITCHING SOCKET RFSC-61

It is a quick solution for the wireless control of devices connected to the socket. It connects between the existing socket and controlled appliance.

- manual control by ON/OFF buttons and status indicator directly on the socket
- signaling of device status – LED on the front panel – red (status indication), green (voltage indication)
- **parameters:** power supply AC 230V, switching power up to 4000W (16A), dimension: 60 x 120 x 80 mm

Order code: 4684



1x

### SMART RF BOX eLAN-RF-003

The smart box is the mediator between your controller (Smartphone, 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, velikost 90x52x65 mm

# HOW DOES IT WORK?

The kit can be extended by other wireless units and thus you can easily create your own system.



Colored wireless bulb



Switching socket



iNELS cam



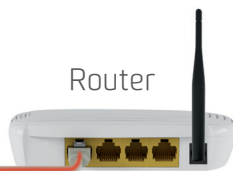
Every wireless bulb is numbered 1, 2 that corresponds to a device type name in App (the default names of the light bulbs - Light 1, Light 2).



Adapter AC 230 V



Smart RF box



Router



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 RADIO FREQUENCY SIGNALS IN VARIOUS MATERIALS



brick walls

60 - 90 %



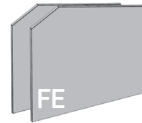
wooden structures with plaster boards

80 - 95 %



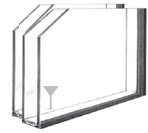
reinforced concrete

20 - 60 %



metal partitions

0 - 10 %

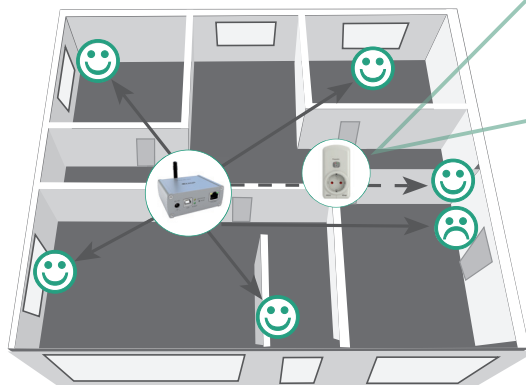


common glass

80 - 90 %

## INSTALLING A SMART RF BOX

- 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 individual 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.

# EASY INSTALLATION



AC 230 V



Switching socket  
(max.: 40)

RF



AC 230 V



**iNELS Cam**

20.15.10.5

User: admin

Password: dumpodpalcem

Wi-Fi  
or  
LAN



**Router D-link**

20.15.10.254

User: admin

Password: elkoep

WiFi

## Links to app:



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

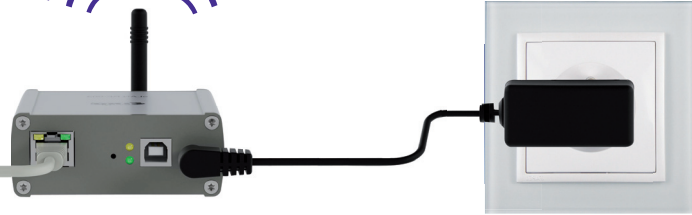
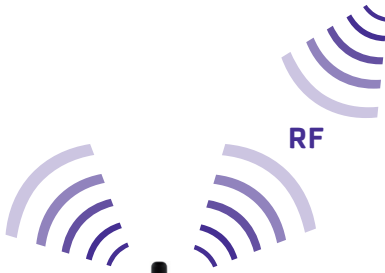
Link to you App (iOS):  
[itunes.apple.com](http://itunes.apple.com)



# EASY INSTALLATION



Colored wireless bulb (max.: 40)



AC 230 V

**Smart RF box**

20.15.10.1

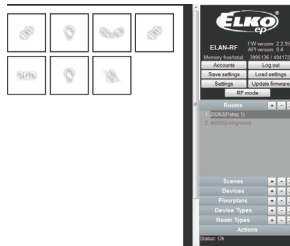
User: admin

Password: elkoop

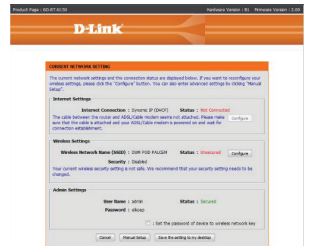


Router

## Example of web interface:



eLAN-RF-003

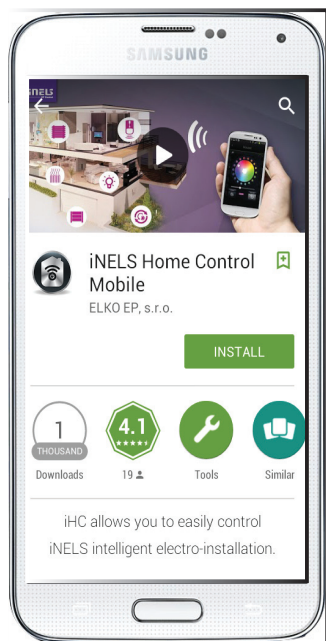


Router D-link (GO-RT-N150)

# 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](https://play.google.com)

ihc-marf



**iHC - MIRF**



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

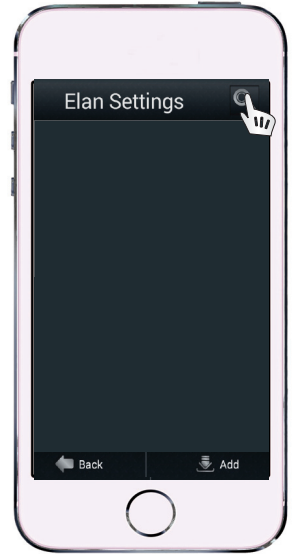
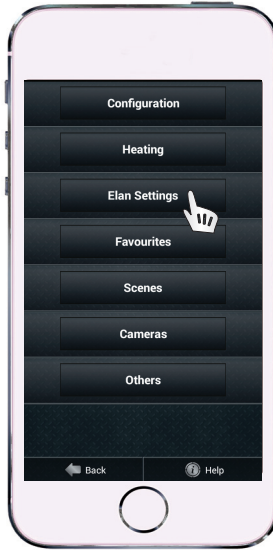
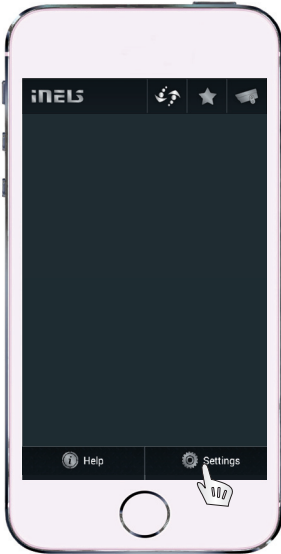
ihc-mirf



# FIRST RUN

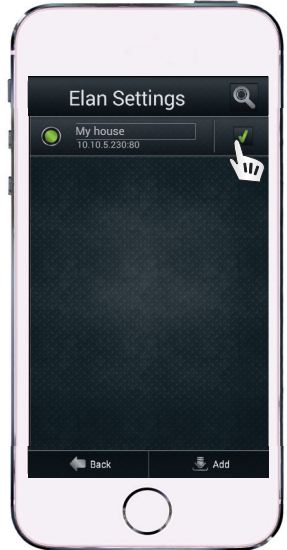
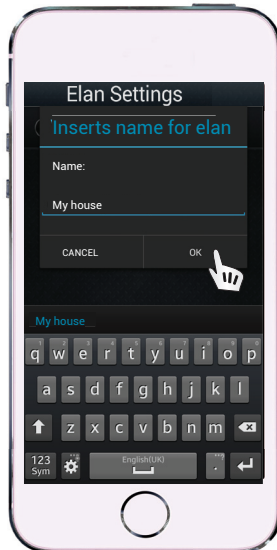
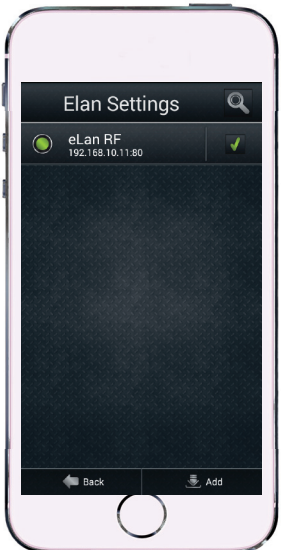


Make sure your smartphone is connected to the same Wi-Fi network as Smart RF box.



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.



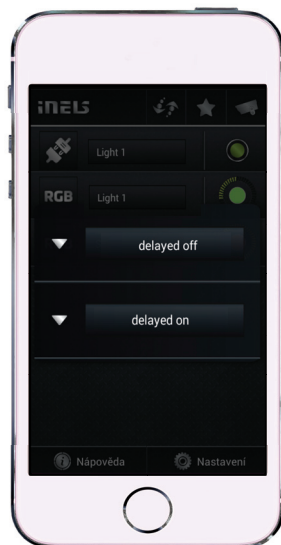
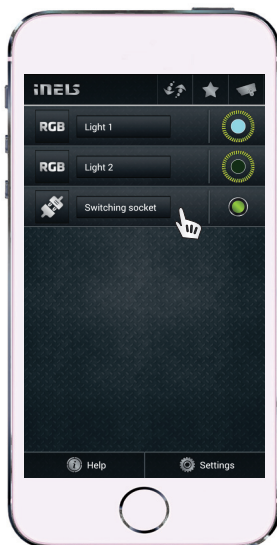
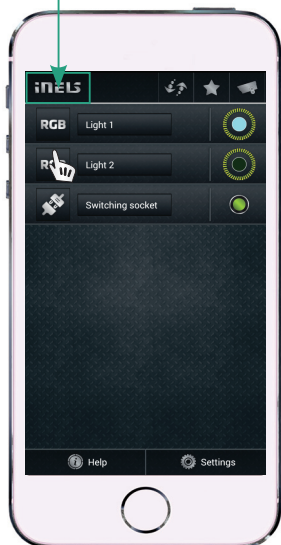
You can give any name to Smart RF box. On the right side of the screen confirm your selection of Smart RF box (green symbol). Then double tap the Back button to return. The home screen will appear with notification „New data downloading“ and then the preset items will be displayed.

Wait please...

Statuj nová data

# APP CONTROL

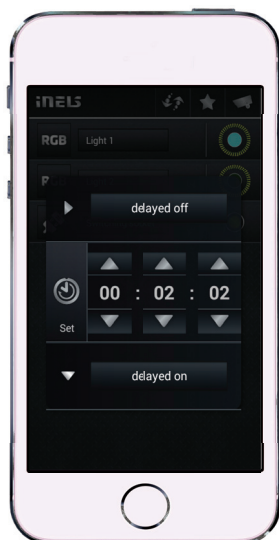
Click on the icon „iNELS“ to return to the Home screen.



By clicking the individual item (Light 1, Light 2, Switching socket) you switch appliances ON/OFF.

State ON/OFF is displayed on the right side in round indicator. Hold your finger on the name (Light 1, Light 2) to display a color spectrum.

Hold your finger on the name of the switching socket to set delayed ON/delayed OFF, then the next click allows you to set the time of chosen action.



- Color choice - 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

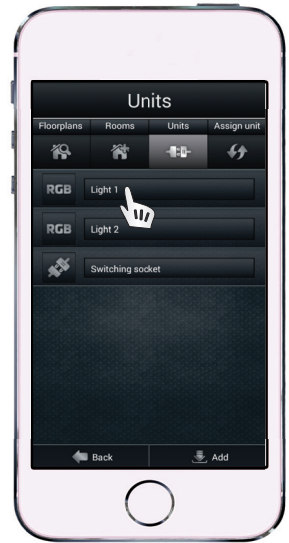
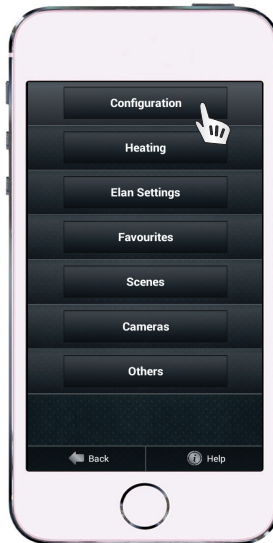
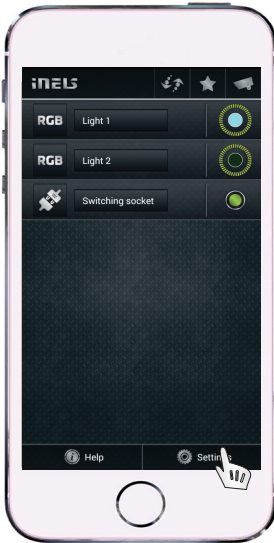
After turning it off and on again, the bulb saves last used value of brightness.

Time settings: h/min/sec.  
Press the SET button to confirm.



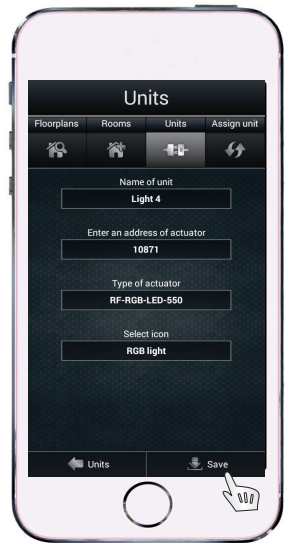
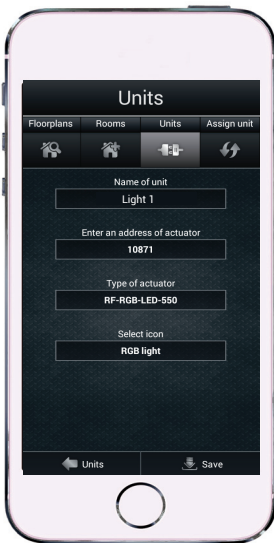
# EDIT THE UNIT NAME

The default names of the light bulbs can be changed.



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

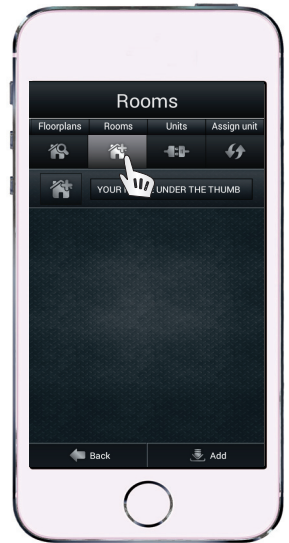
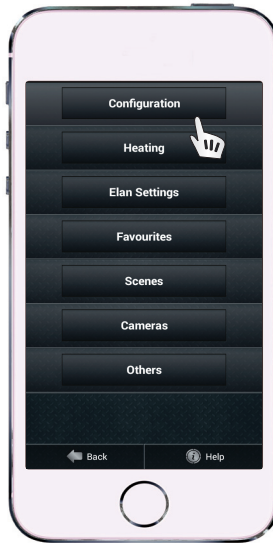
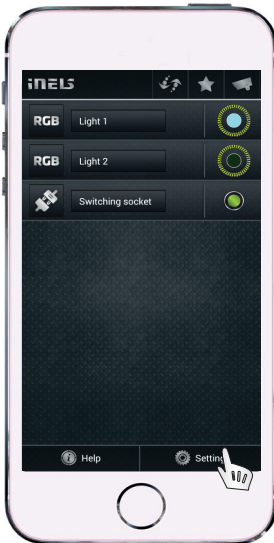
Units - the list of the added units.



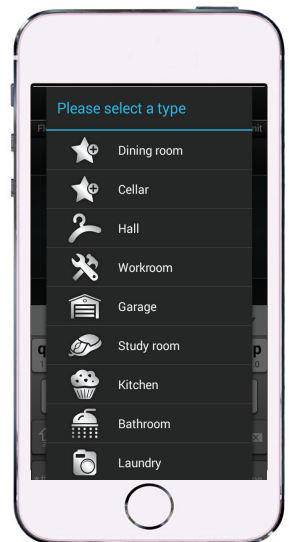
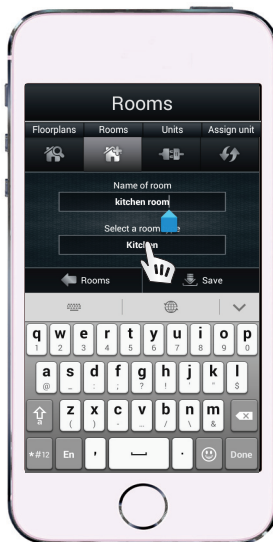
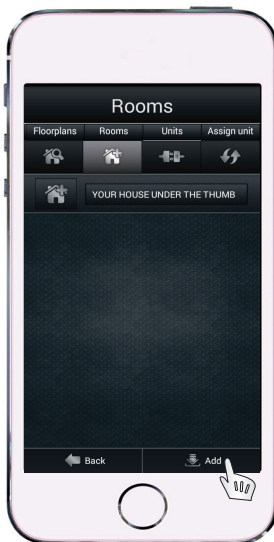
Select the unit whose name you want to change and edit the Unit name. To stop recording changes, click the Save button. By pressing the Back button you will return to the Menu Units.

# CREATE ROOMS

The room is used to group units.

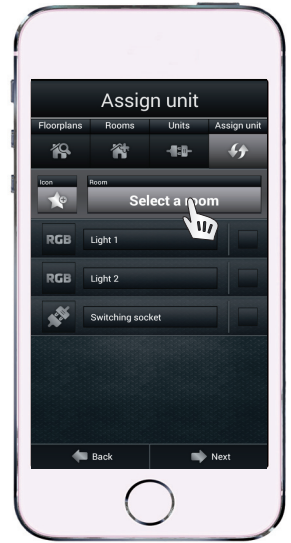
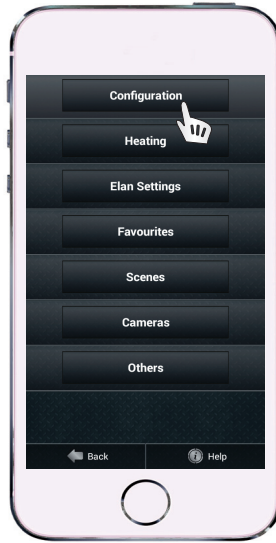
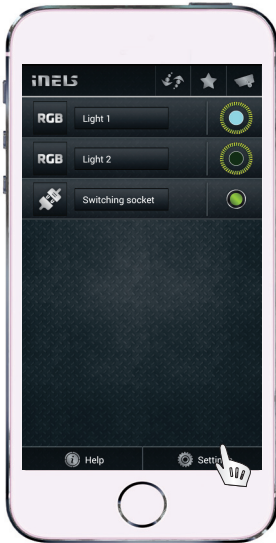


Click on the „Settings“. Then on „Configuration“ and „Rooms“.

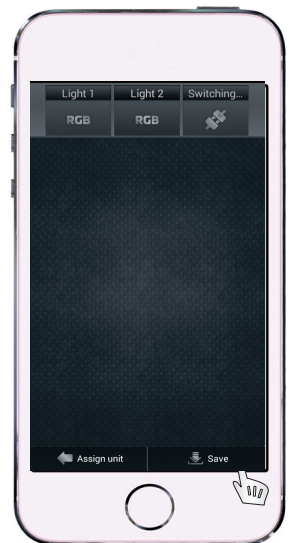
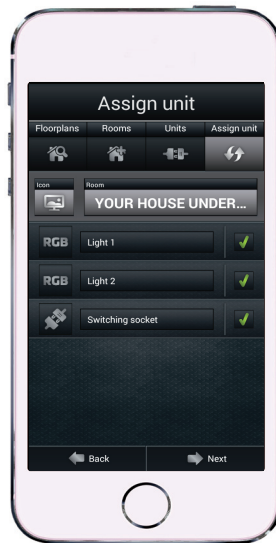
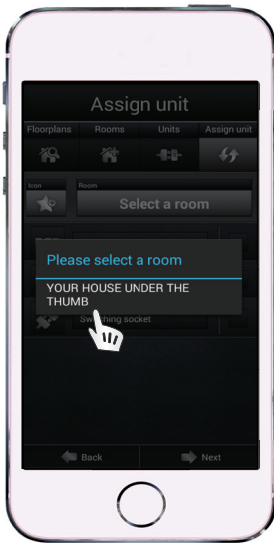


Click the Add button. Select any name and type of the room (the room type determines the icon associated with the room). In the same way you enter the next room (the room YOUR HOUSE UNDER THE THUMB™ is set as default).

# ASSIGN A NEW UNIT



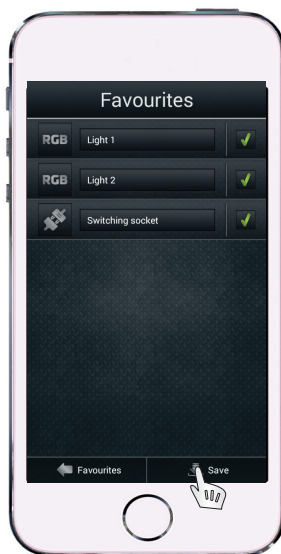
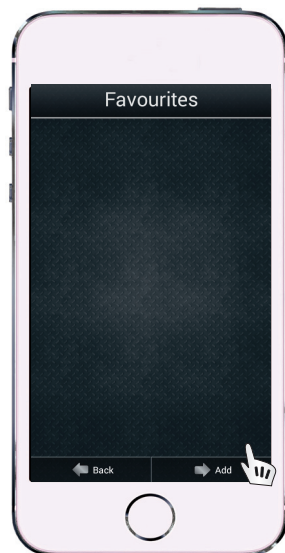
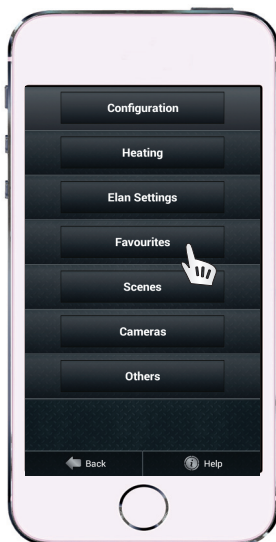
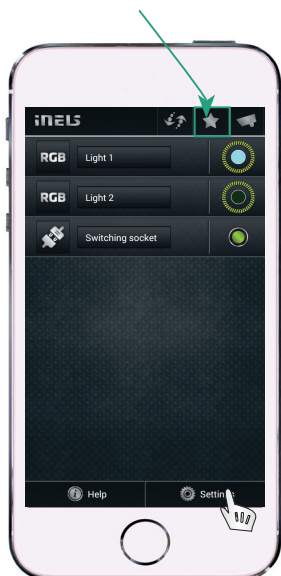
Click on the „Settings“, then on „Configuration“ and Assign units.



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 (e.g. all the lights ON, all the lights OFF, all the lights at 50% etc.).



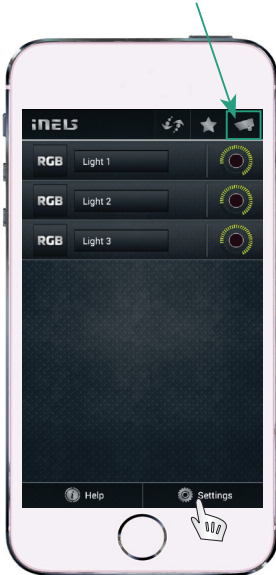
Click on the Settings and then on the Tab Scene. Here press the Add button to create a Scene name, then select the units and then click Next to select the Unit function.



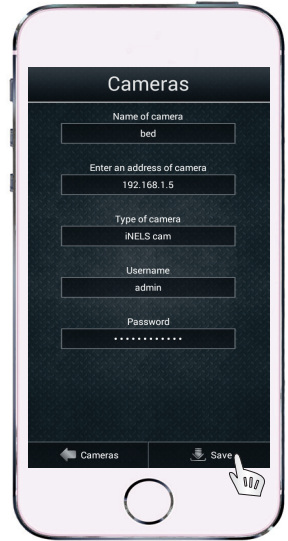
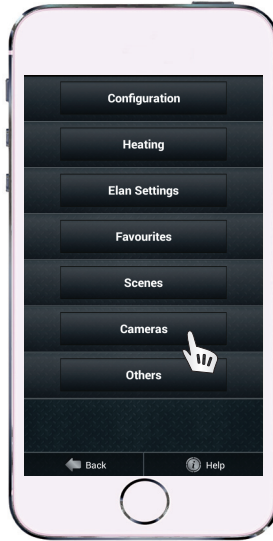
You can add a function to each unit from the upper bar. You can change the settings by clicking on the assigned function. In the same way you will assign the function to other units. Then press Add button.

# TAB CAMERA

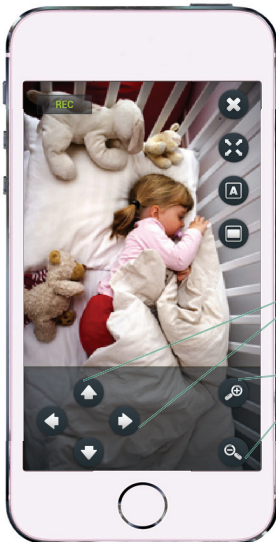
To App you can connect and monitor up to 10 cameras such as iNELS cam or Axis.



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 20.15.10.5)  
The camera type: iNELS cam  
Login: admin  
Password: dumpodpalcem

### Axis:

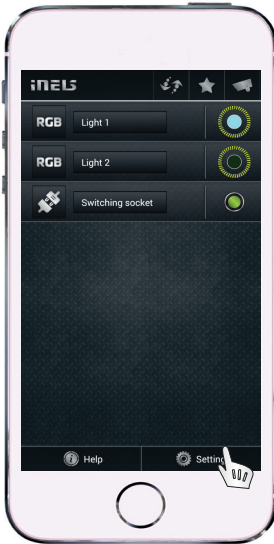
The name of camera: Any  
Enter the camera address: IP address assigned according to your network  
The camera type: Axis  
Login: root  
Password: pass

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

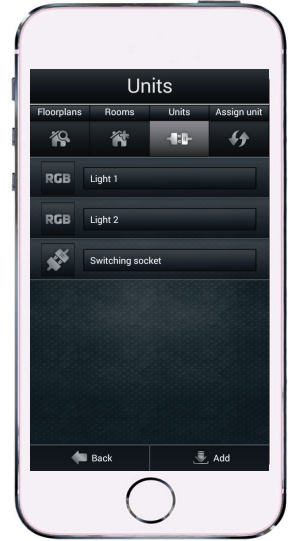
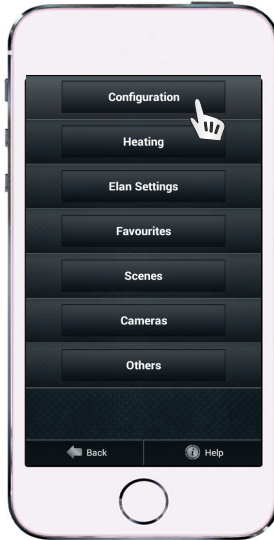
Some cameras Axis provide pan, tilt and zoom functions (PTZ). In the app you can control motion picture (enabling wide area coverage) and zoom in/zoom out (by button plus/minus).

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

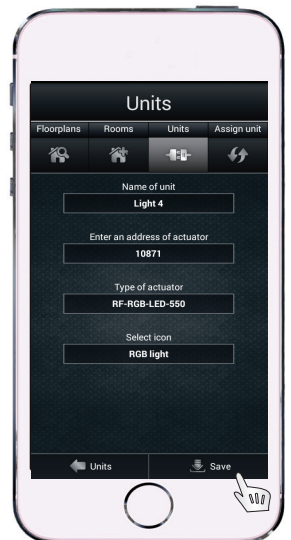
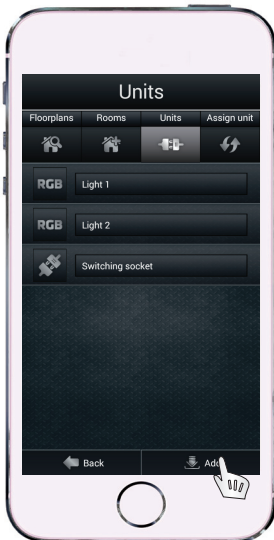
# ASSIGN A NEW UNIT



Click on the Settings, then on Configuration.

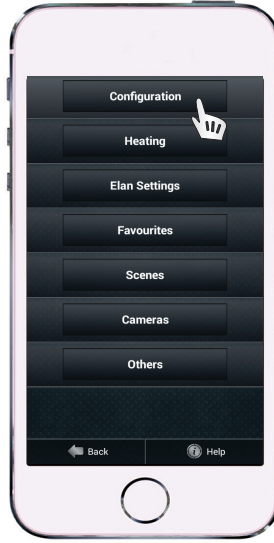
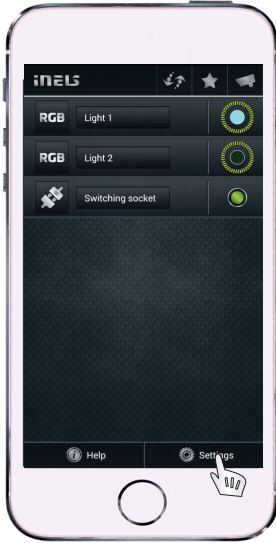


Click on the Tab Units.



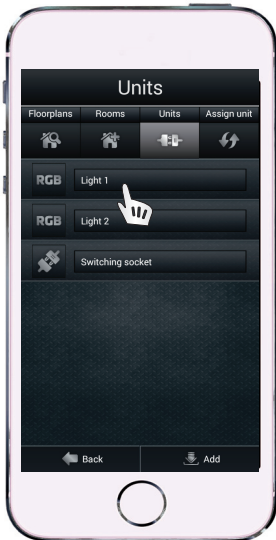
To assign other Units click on add button. Enter the required data (The unit name: Any, The unit address: see Fig.1 (Page 20), The unit type: any - see Fig.1 (Page 20), select the icon: according to the function of the unit). Press „Save“ to add a new unit.

# DELETE ROOM/UNIT



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

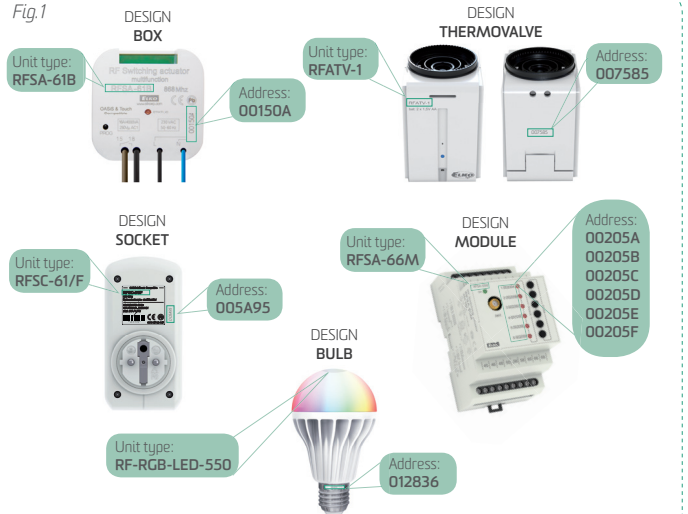
Click on the Tab Units or Rooms which you want to delete.



Delete using long press.

## MARKING IP ADDRESSES AND TYPES OF INDIVIDUAL UNITS

Fig.1



Note: the addresses used for illustration and are unique.



# INELS CAM

## Scanning:

Sensor:	1/5" VGA CMOS
Minimum illumination:	from 0 lux with IR illumination
IR illumination:	up to 5 meters
Exposure time:	0 up to +50 °C
Angle of view:	(H) 45,3°, (V) 34,5°, (D) 54,9°
Digital zoom:	4x digital zoom

## Function - Image Features:

- Adjustable/Configurable image size, quality, frame rate and bit rate
- Time stamp and text overlays
- Configurable motion detection
- Sound level detection
- Event notification and upload snapshots/video clips via SMTP or FTP
- Configurable brightness, saturation, contrast

## Video compression:

- simultaneously using H.264 and MJPEG compression formats
- JPEG for static images

## Video resolution:

- 640 x 480, 320 x 240, 160 x 112 at a frame rate up to 30 fps

## Audio compression:

- PCM

## Network protocols:

- PV4, ARP, TCP, UDP, ICMP

DHCP client, NTP client (D-Link), DNS client, DDNS client (D-Link), SMTP client, FTPclient, HTTP server, PPPoE, UPnP port forwarding, LLTD,

## Power consumption:

- 4 W

## Interface:

- Ethernet 10/100 Mbps, WiFi 802.11b/g/n

## Dimension:

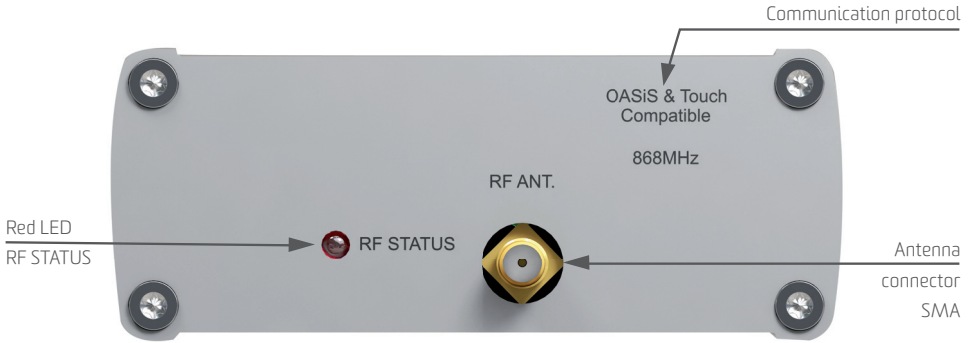
- Dimensions including base: 80 x 115 x 80 mm

## Weight:

- 96,2 g

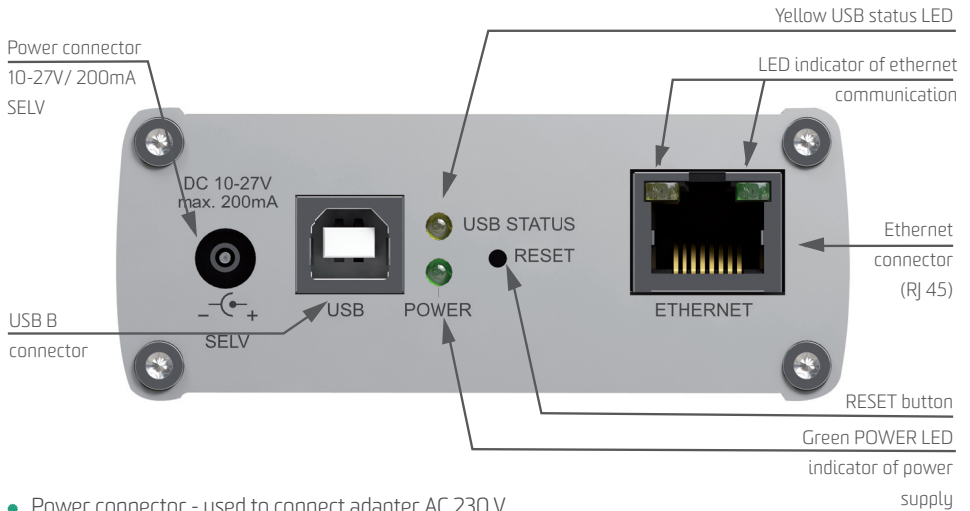
# DESCRIPTION OF SMART RF BOX

## 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:	Oasis & RF Touch Compatible
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

# WIRELESS COLOURED BULB

## Bulb description

### Energy label

<b>Energy label</b>	
Energy label with the text "Energy label" and the European Union flag.	
Energy efficiency scale from A to G, with A highlighted in a black arrow.	
550	Lumen
6	Watt
30 000	h



# 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

## Output

Light output: 6 W

Luminous flux: 550 Lm

Color temperature: RGB

Brightness control: 0-100 %

Service life: 30 000 hours

## Control

RF comm. from transmitter: 868 MHz

Range in open space: up to 20 m

## Other data:

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)



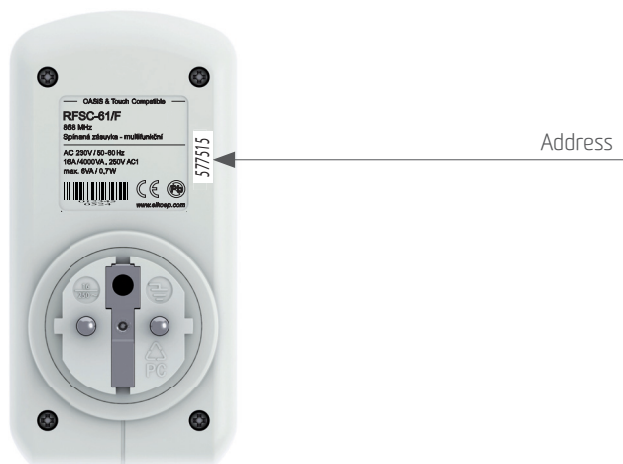
400 450 500 550 600 650 700 800  
(ultra) Violet Blue Cyan Green Yellow Orange Red Purple (infra)

# SWITCHING SOCKET (RFSC-61/F)

## Front side



## Rear side



French  
CZ, SK, PL, FR



Schuko  
HU, DE, RU, AT, RO



British  
GB



Australian  
AUS



US  
USA

# SWITCHING SOCKET (RFSC-61)

Power supply:	230V AC / 50-60 Hz
Apparent power:	6 VA
Dissipated power:	0.7 W
Supply voltage tolerance:	+10 %; -15 %

## Output

Number of contacts:	1x switching (AgSnO <sub>2</sub> )
Rated current:	16 A / AC1
Switching power:	4000 VA / AC1, 384 W / DC
Peak current:	30 A / <3 s
Switching voltage:	250 V AC1 / 24V DC
Min. switching power DC:	500 mW
Mechanical service life:	3 x 10 <sup>7</sup>
Electrical service life (AC1):	0.7 x 10 <sup>5</sup>

## Control

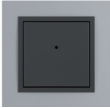
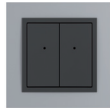



RF command from transmitter:	868 MHz
Manual control:	PROG button (ON/OFF)
Range in the open space:	up to 200 m

## Other data



Operating temperature:	-15 up to + 50 °C
Operating position:	any
Mounting:	in a network socket 230V AC
Protection:	IP30
Overvoltage category:	III.
Pollution degree:	2
Dimension:	60 x 120 x 80 mm
Weight:	195 g

Related standards:	EN 60669, EN 300 220, EN 301 489 directive RTTE, NVč.426/2000Sb (directive 1999/ES)
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## 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
	<p><b>WIRELESS SWITCH UNIT - 6 OUTPUTS</b></p> <p>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.</p>	<p><b>RFSA-66M</b></p> <p>4282</p>
	<p><b>SWITCH UNIT FOR OUTDOOR USE</b></p> <p>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.</p>	<p><b>RFUS-61</b></p> <p>4526</p>
	<p><b>SWITCH UNIT FOR SHUTTERS (CONTACTLESS)</b></p> <p>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.</p>	<p><b>RFJA-12B</b></p> <p>4682</p>




## DIMMERS

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	<p><b>DIMMING SOCKET (MULTI-FUNCTION)</b></p> <p>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.</p>	<p><b>RFDSC-71</b></p> <p>4594</p>
	<p><b>UNIVERSAL DIMMER (INBUILT)</b></p> <p>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.</p>	<p><b>RFDEL-71B</b></p> <p>4512</p>
	<p><b>DIMMER FOR COLOURED (RGB) LED STRIPS</b></p> <p>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.</p>	<p><b>RFDA-73M/RGB</b></p> <p>4681</p>
	<p><b>UNIVERSAL DIMMER</b></p> <p>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.</p>	<p><b>RFDEL-71M</b></p> <p>4897</p>



## 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 thermodrive 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

## THE GAME OF LIGHTS

ORDER CODE: 5453



1x SMART RF BOX



3x COLORED WIRELESS BULB



### KIT TO CONTROL 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 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.

## 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 controlled device into switching socket 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).

## REMOTE HEATING

ORDER CODE: 5456



1x SMART RF BOX



3x WIRELESS THERMOVALVES



### KIT TO CONTROL HEATING VIA SMARTPHONE

Includes 3 wireless thermovalves that are installed instead the standard radiator valves. They measure 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 App 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.

# THE OVERVIEW OF OTHER KITS

## RADIO & MUSIC IN THE SWITCH

ORDER CODE: 5454



1x LARA  
RADIO



2x SPEAKERS



### KIT FOR CONTROLLING 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.

## 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).

## 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 the units ON. Based on the command from temperature regulator, 6-channels switching unit is able to control up to 6 thermostats 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.

.....  
**Manufacturer:**

ELKO EP, Ltd. / Palackeho 493  
Holešov - Všetuly 769 01 / Czech Republic  
phone: +420 800 100 671 / e-mail: elko@elkoep.com



**[www.elkoep.com](http://www.elkoep.com)**  
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