

ONE CONTROLLER FOR ALL

KIT FOR CONTROLLING IR DEVICES
VIA A SMARTPHONE



YOU NO LONGER NEED A BUNCH
OF CONTROLLERS, JUST ONE
IS ENOUGH, THE ONE WHICH
YOU ALWAYS CARRY.

inELS[®]
smart home solutions

www.inels.com/kits

USER'S MANUAL 1.0



EVEN YOUR HOUSE CAN BE
EASILY „**CONTROLLED**“!

TECHNICAL SUPPORT



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support@inels.com

ONE CONTROLLER FOR ALL

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).

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 ONE CONTROLLER FOR ALL.

Another kits and additional units can be found on the last pages of the manual or at our webpage:

www.inels.com/kits

USER'S MANUAL CONTENT

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LEGEND:

- **Smart IR box** – the mediator between smartphone and remote controller
- **IR (Infra Red)** – is electromagnetic radiation with wavelengths longer than visible light but shorter than radiation microwaves
- **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: 5180



3× IR Transmitter

It sends a command to the controlled devices using IR signal.

- It should be placed in the sight distance max. 10 meters from controlled device
- It is connected to eLAN through 3 m cable with JACK plug

Order code: 3283



1× Smart IR Box
eLAN-IR-003

It is the mediator between a Smartphone and controlled appliances. Learned commands from existing controllers are assigned to the corresponding buttons in app.

- It is connected to a LAN network or you can use WiFi version
- **Parameters:** LAN RJ45 connection, power supply 10-27 V DC (adapter included in the package), dimension 90x52x65 mm

Order code: 6700



1× NETWORK
CABLE
1M

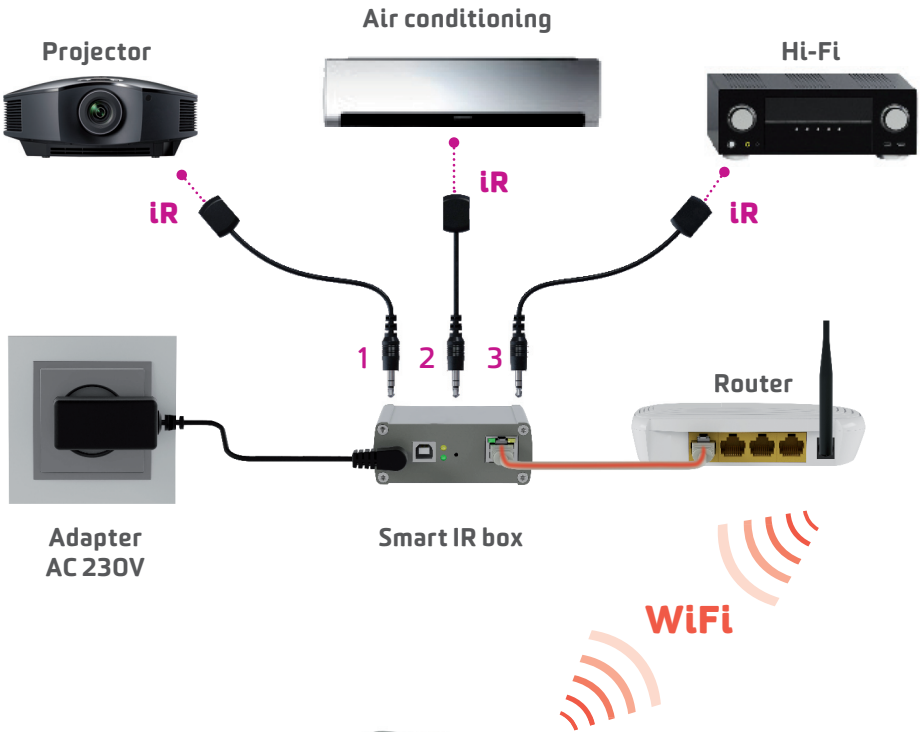
Order code: 6719



1× POWER
ADAPTER

HOW DOES IT WORK?

Smartphone through Smart IR box sends IR (infrared) command to all A/V appliances or air conditioning.



Remote control

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



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

RADIATION CHARACTERISTICS OF IR TRANSMITTER



You can record up to 100 commands to the Smart IR box

- Radiation characteristics of the transmitter is shown in the Figure above.
- The IR beam is cone-shaped and emerges from the front of the transmitter.
- The beam angle is in the 30 degrees, therefore aim the transmitter directly at the receiver of the controlled device.
- The distance from the controlled device should not exceed 8m.

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.

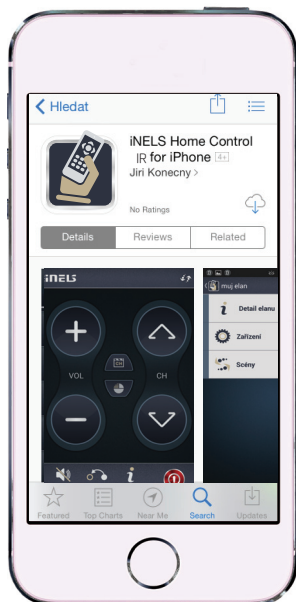


iHC - MAIR



Link to your App:
play.google.com

ihc-mair



iHC - MIIR



COMING SOON

Link to your App:
itunes.apple.com

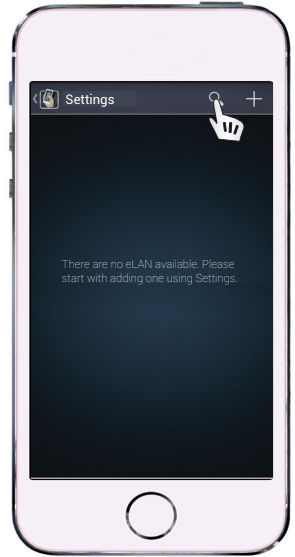
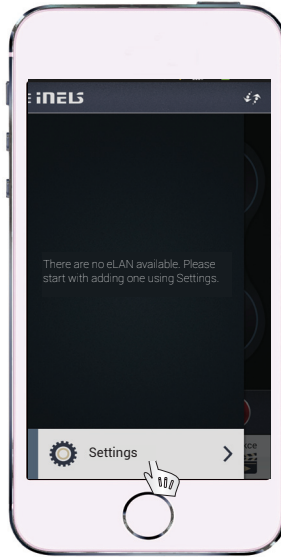
ihc-miir



ASSIGNING A SMART IR BOX

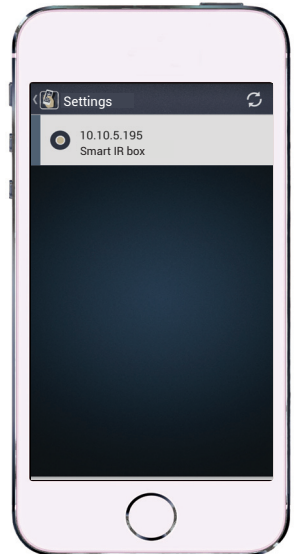
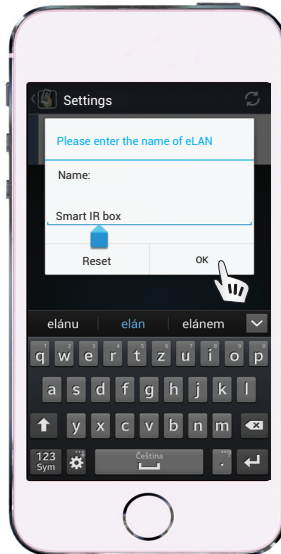
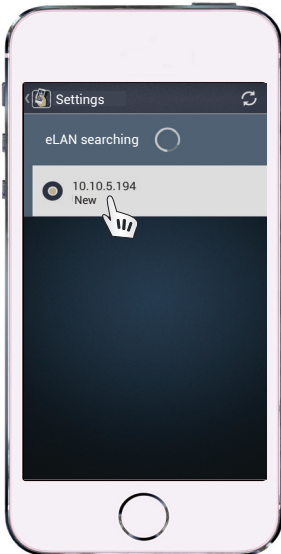


Make sure your smartphone is connected to the same Wi-Fi network as Smart IR box.



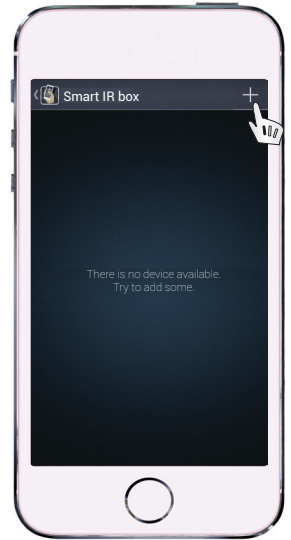
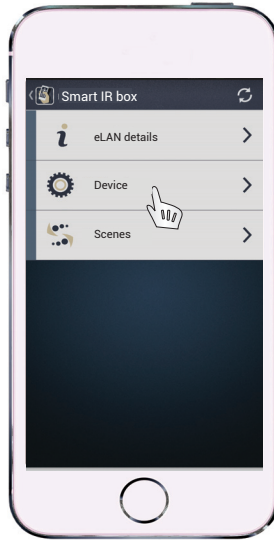
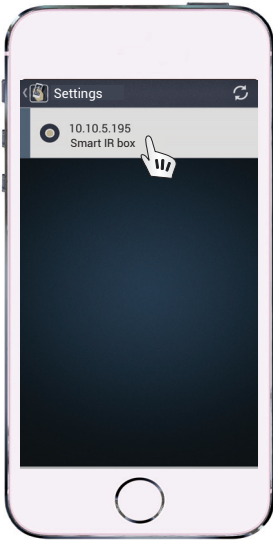
After setting an IP Address, press the Tab „Settings“, and click on the magnifying glass icon in the upper left corner.

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

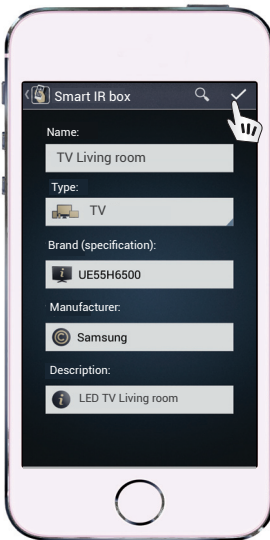


You can give any name to Smart IR box. Then Click the OK button.

DEVICE NAMING



Click on already assigned Smart IR box to display the menu, where you click on the device. A new window always opens, click on the „+ „button on the upper right hand corner.

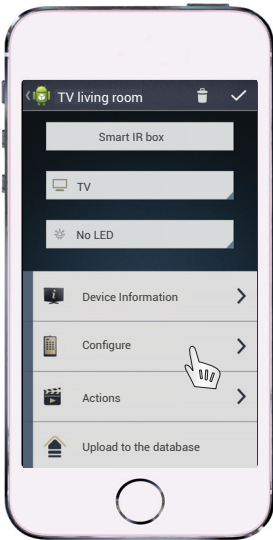


In a new window please fill required data:

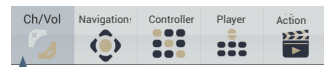
- The name of the assigned device
- The type of device
- The brand (specification)
- Manufacturer
- Device descriptions

to add new device and then press the ✓ button in the upper right corner.

ADDING COMMANDS

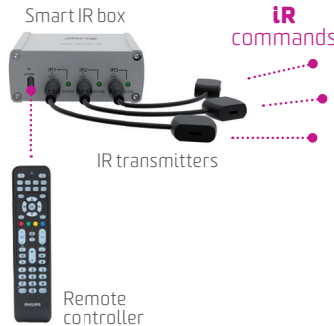
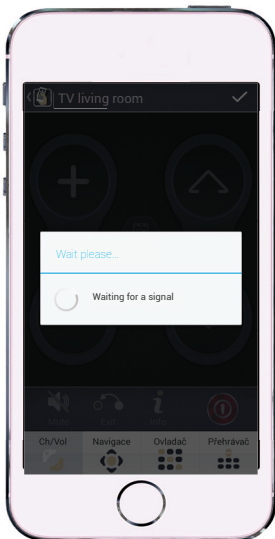


After clicking „Configure“ button, the default graphics control panel of your controller will be displayed. To the buttons you will assign individual commands from your remote controllers.



Here you can select buttons to record commands directly from your controller

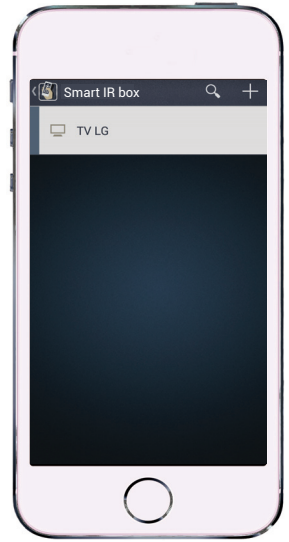
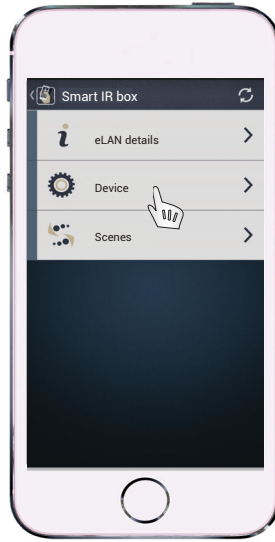
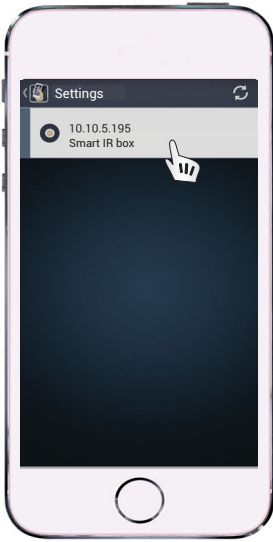
Using the Configure button you can add IR codes directly from your remote controller to the memory of Smart IR box.



Click on the button to activate the recording commands from the controller to the Smart IR box. Now press the button on the selected remote controller. After assigning the command, press ✓ and the command will be successfully saved. Then you can add other commands (change settings). Press a specific key ✓ to save your settings.

EDIT THE UNIT NAME

The default names can be changed.



Click on the eLAN already assigned and the menu will be displayed, then click on „Device“. The list of the added units will be displayed.



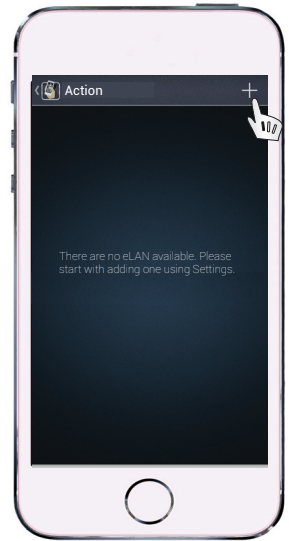
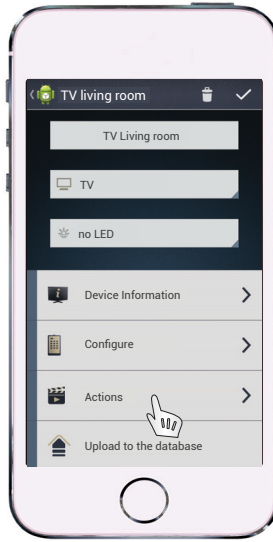
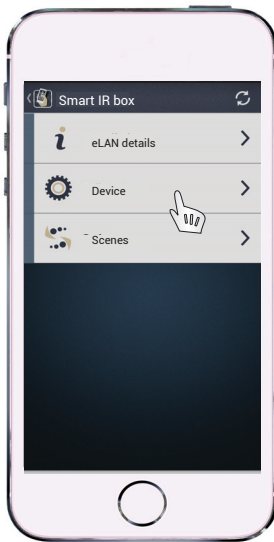
After selecting a device, you can change the name and other fields:

- The name of the assigned device
- The type of device
- The brand (specification)
- Manufacturer
- Device descriptions

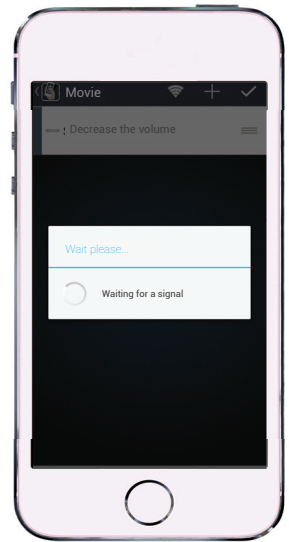
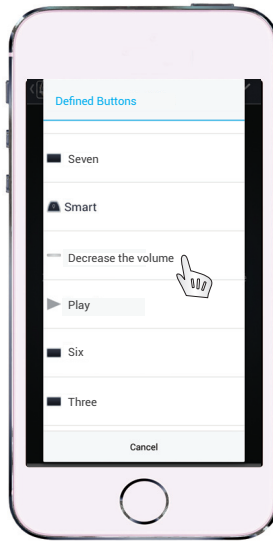
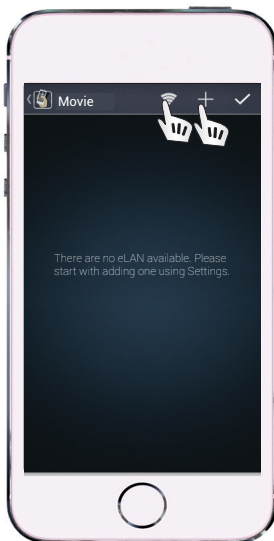
to confirm the changes press the button ✓ in the upper right corner.

TAB ACTION

Used to create a collective command to the selected IR devices.



Click on „Device“ and select IR device to which you want to assign a command. Then click on „Actions“ where you can click on the button „+“ in the upper right corner and enter the name of Action.



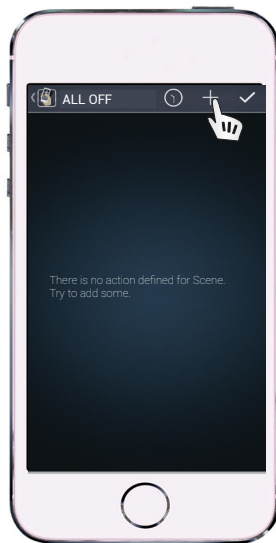
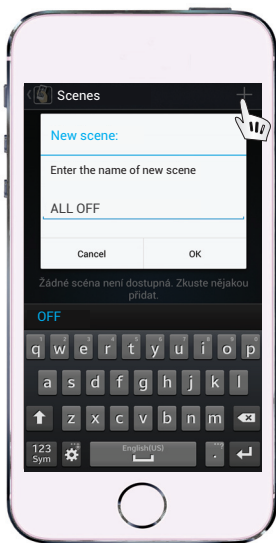
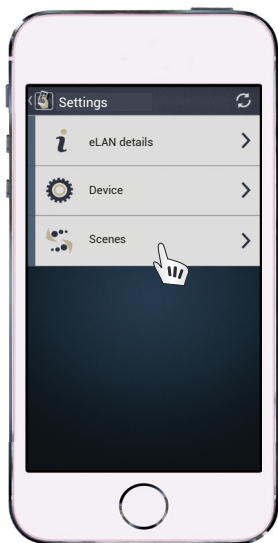
After entering the name of the Action, the screen will be displayed. Here you will add IR codes for this Action. It can be done in two ways:

a) Click on the button „+“ and assign a command to the already predefined key in the App.

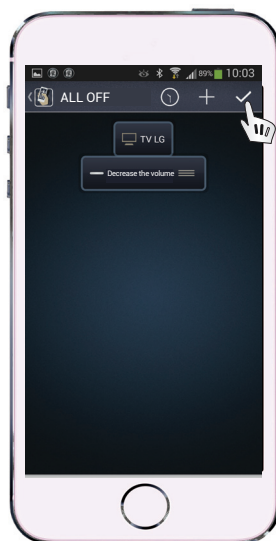
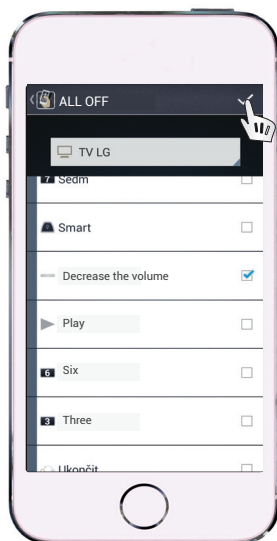
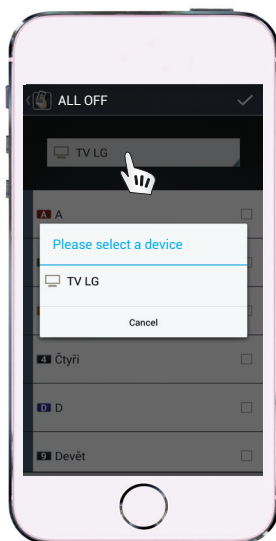
b) By clicking on the button „Searching“ and sending IR code directly from your remote controller.

TAB SCENES

Using the button „Scenes“ you can send more IR codes to more devices. (It means that one action may lead to turn all devices ON/OFF).



Click on the button Scenes, then click „+“ button and enter the name of scene. The screen will appear, where you click on the „+“ button.



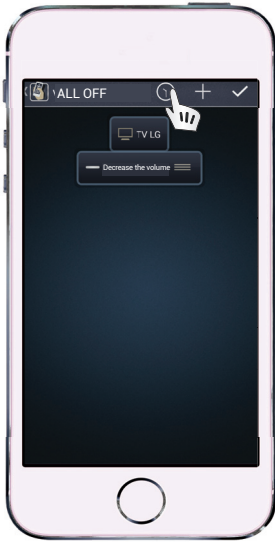
After clicking the button „+“ you can select a device at the top of the screen.

Then tick commands in the menu, which you want to assign to Scene. Press button ✓ to confirm.

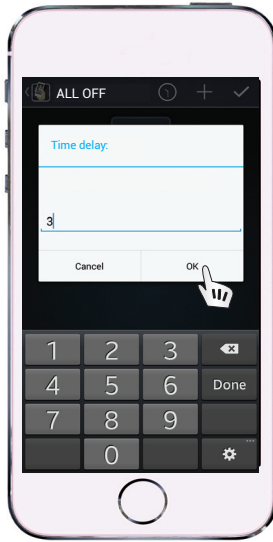
The scheme will be automatically generated. In case you do not set a time delay, confirm by ✓ button.

SCENE WITH TIME DELAY

Used for sequential transmission of commands e.g. turn the TV ON and then after two seconds turn over to channel 12.



To set a time delay for a given Scene, click on the CLOCK icon.



Enter the length of desired time delay in seconds. Then click OK button.



If you do want to add more commands, press button ✓ to confirm your settings.

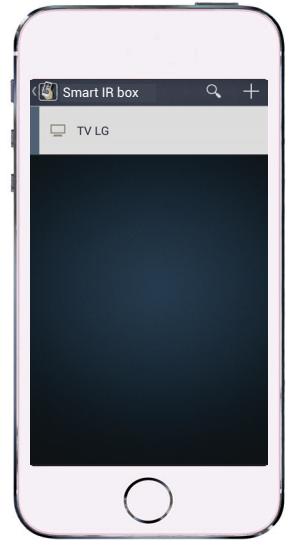
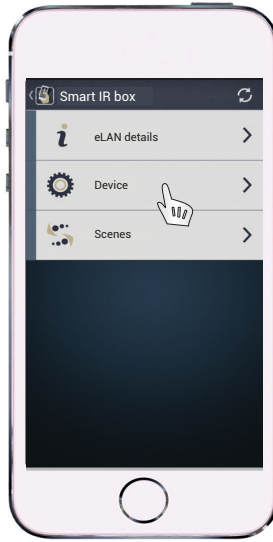
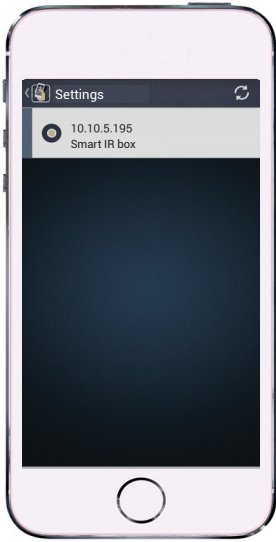


You can add an unlimited number of commands.

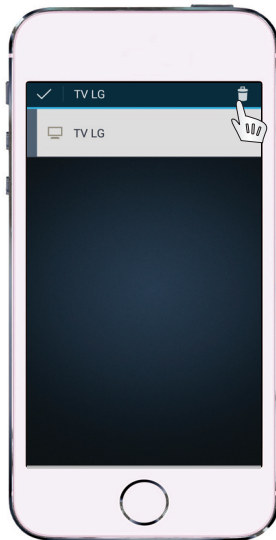
To execute a collective command sequentially (with time delay), it is necessary to select only one command and then click the clock icon, where you set time delay and then assign another command.

In case you want to delete a command, hold your finger on the created scheme. Press ✓ to confirm.

DELETE A DEVICE



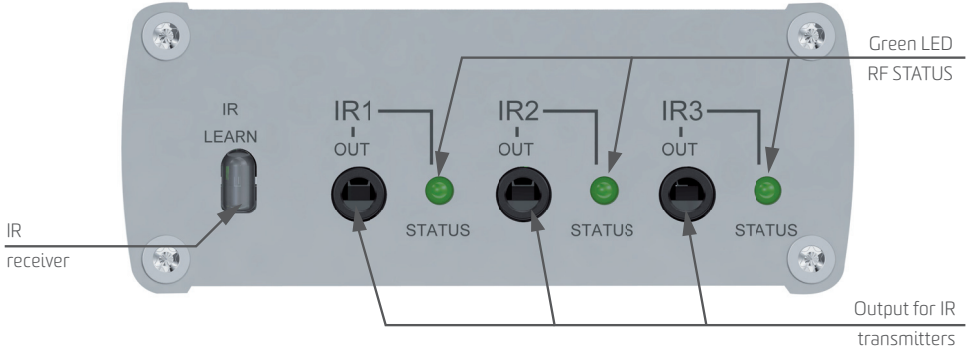
Click on the eLAN already assigned and the menu will be displayed. Then click on „Device“ to display the list of the added units.



To delete a device: touch and long press the trash bin icon in the upper-right hand corner of the screen.

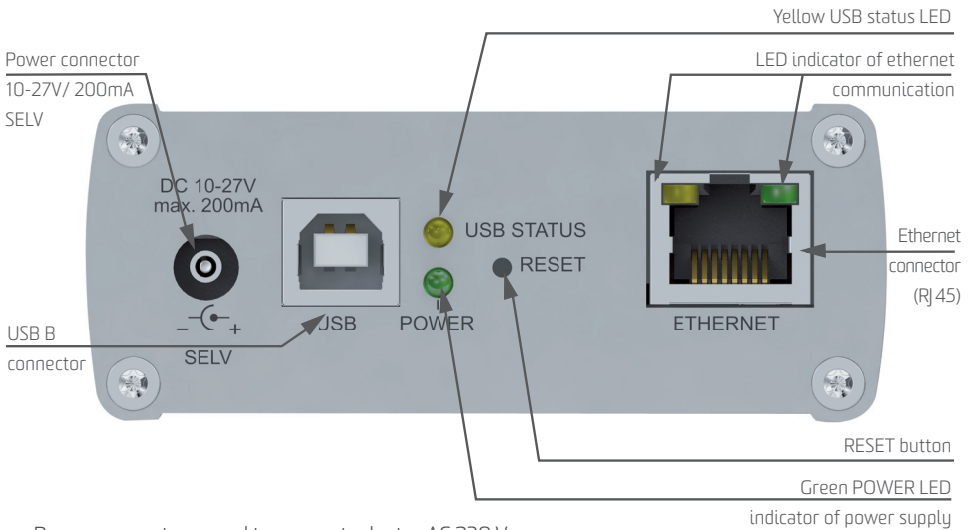
DESCRIPTION OF SMART IR BOX

Front panel



- Green LED status - indication of IR transmission
- IR receiver - through IR receiver you can record commands from remote controller
- Output for IR transmitters - to connect IR transmitters IR 1, IR 3.

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 IR BOX

| | |
|---------------------------------|--|
| Sensor IR: | Infrared sensor for determining IR codes |
| Carrying IR frequency: | 20 - 60 kHz |
| Learning distance: | up to 1m |
| Output: | 3 x IR transmitter |
| Connection: | 3 x 3.5" jack connector, cable length 1 or 3 m |
| Indication of output: | 3 x green status LED IR1-IR3 |
| Range: | up to 1m from device |
| ETH operating status indicator: | green LED |
| ETH communication indicator: | yellow LED |
| Communication interface: | 10/100 Mbps (RJ45) |
| Supply voltage/nom. current: | 10-27 V DC / 200 mA (safe low voltage) |
| Connection: | connector jack Ø 2.1 mm |
| PoE supply: | keeping supply voltage range 10-27 V DC / 200 mA |
| Supply voltage indication: | green LED |
| Other powering options: | USB-B connector |
| Indication: | yellow USB status LED |
| RESET button: | restart the device / reset the device to it's factory settings |
| Power source: | 230 VAC / 12 V DC part of supply of device |
| Operating temperature: | -20 .. +55 °C |
| Storage temperature: | -25 .. +70 °C |
| Protection: | IP 30 |
| Contamination degree: | 2 |
| Working position: | any |
| Installation: | open |
| Design: | design box |
| Dimensions: | 90 x 52 x 65 mm |
| Weight: | 136 g |

Tovární nastavení

| | |
|------------------|---------------|
| Login: | admin, user |
| Password : | elkoop |
| IP address: | 192.168.1.1 |
| Default gateway: | x. x. x. 254* |

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 thermovalves that are installed instead of the standard radiator valves. They measure the room temperature and send it to the Smart RF box. The 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 an 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

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.

YOUR HOUSE UNDER „THE THUMB“

ORDER CODE: 5459



1x SMART RF BOX



2x COLORED WIRELESS BULB



1x WIRELESS SWITCHING SOCKET



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: *MPWSS 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.

DEVICE DOES NOT RESPOND, COMMUNICATION FAILS BETWEEN A DEVICE (UNABLE TO CONNECT TO WEB-SERVER)

- Solution:

Check if the power supply works. Check whether the product is connected to the power supply and Power LED indicator is ON on the front panel. Test your Ethernet network connection.

Make sure the yellow LED indicator of operating status is ON or the green LED indicator bulb of communication is ON or flashing. In case of discrepancies, check the network connection.

DEVICE DOES NOT RESPOND TO IR COMMANDS

- Solution:

Check the connection of IR transmitter.

Check if the IR transmitter is correctly aimed to the controlled device. (Proper „aiming“ of the IR transmitter is very important!)

Check in the App if the IR command is assigned correctly.



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Manufacturer:

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phone: +420 800 100 671 / e-mail: elko@elkoep.com



www.elkoep.com

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