

SERIES
ACCESSORIES

RD-30

doorbell
wireless kit



User manual

Thank you for
choosing our equipment

SLINEX

{ Design. Uniqueness. Innovations }

Attention!



As a result of continuous upgrades and functionality improvements, technical characteristics of the device can be changed without any preliminary declaration. This manual can contain some inaccuracy or misprint. The owner reserves the right to make corrections to the information described in the user manual and device package. The last revision of this manual is available on www.slinex.com

Safety instructions

- Read and keep that manual.
- The device installation process should be carried out by the qualified specialists.
- Use the device from -10 °C to +55 °C, always keep it within that temperature range.
- Installation surface should be free from vibration and impact influence.
- Keep this device far from open sources of heat, such as radiators, heaters, and ovens.
- The device can be installed near other electronic equipment in case if the temperature of the environment does not exceed previously mentioned range.
- The device should be protected from the direct influence of the natural phenomena, such as direct sunlight, rain or snow.
- Don't use aggressive or abradant detergent for the device surface cleaning.
- Use soft wet cloth or tissue to remove strong dirt.
- Don't overpower outlets. It can cause fire or electric shock.

Nature protection



Don't throw away the device with other industrial or nutritive trash if you see that symbol. Some regions have separation and recycling systems for the electronic equipment. Connect with local authorities to receive information about recycling of electronic equipment for your region.

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1. Package

- Outdoor panel – 1 pc.
- Outdoor panel mounting bracket – 1 pc.
- Outdoor panel caps and screws – 1 kit (2 caps)
- Outdoor panel power supply – 1 pc.
- Handset – 1 pc.
- Handset charging device – 1 pc.
- Power supply for charging device – 1 pc.
- Handset battery – 1 pc.
- Screws and anchors – 1 kit
- User manual – 1 pc.

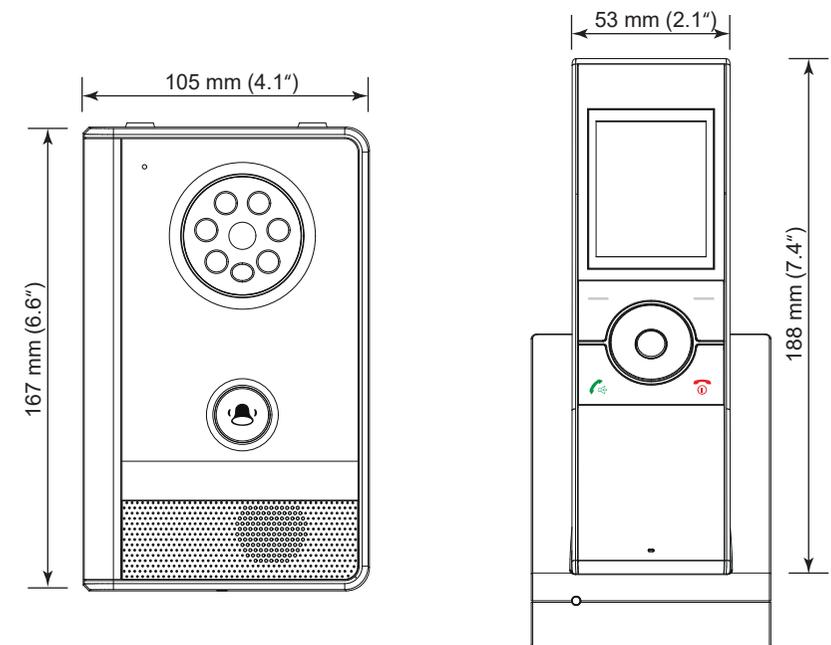
2. Specification

2.1 Outdoor panel specification

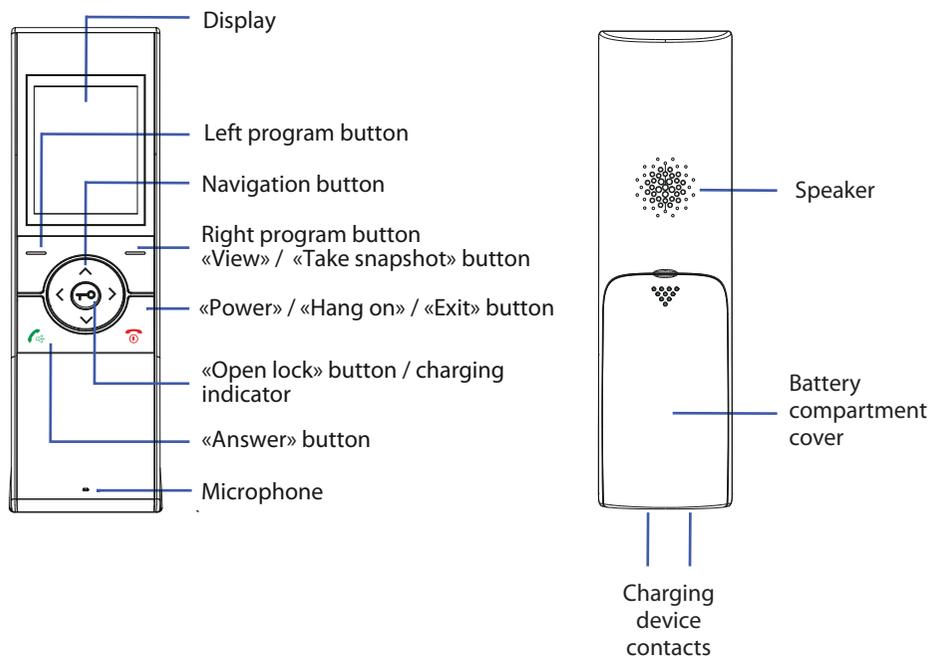
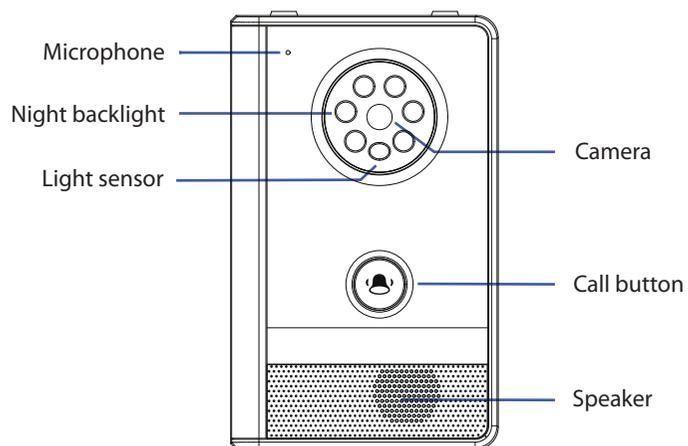
Frequency	2.4000 - 2.4835 GHz
Camera sensor type	CMOS
Sensor resolution	640x480 pixels
Codec	H.264
View angle (diagonal)	120°
Night backlight	white LED's – 6 pcs.
Power adapter	12 V, 500 mA (optional)
Battery	LR14 C (1.5 V) - 2 pcs.
Working mode power consumption	6 W
Lock relay current	1 A
Mounting type	Surface mount
Dimensions	105x167x50 mm (4.1x6.6x2.0")
Working temperature	-20 ... +55 °C (-4...131 °F)

2.2 Handset specification

Screen	2.4" color TFT
Screen resolution	320x240 pixels
Transmitting power	19 dBm
Outdoor panels quantity supported	2 pcs.
Charging power adapter	12 V, 500 mA
Battery	BL-5C, 3.7 V, 1100 mAh (lithium battery)
Handset dimensions	53x188x26 mm (2.1x7.4x1.0")
Charging device dimensions	80x95x104 mm (3.1x3.7x4.1")
Working temperature	-10 ... +40 °C (14 ... +104 °F)

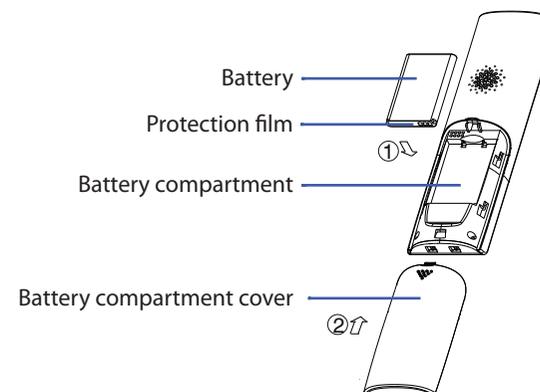


3. Description



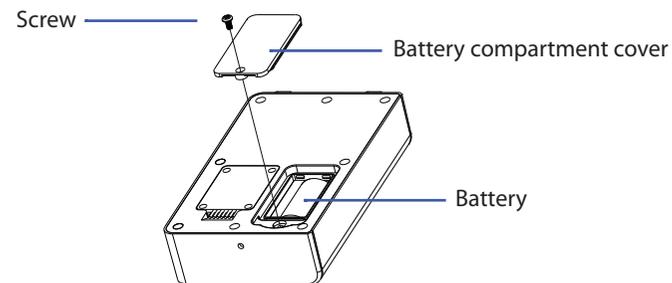
4. Battery installation

Handset battery included into doorbell kit. Slide off battery compartment cover, remove protection film on the battery contacts and install it into battery compartment (pay attention on battery polarity while installation). Attach battery compartment power back to the handset and turn on the power by holding «Power» button.



Outdoor panel can be powered from the battery or from the external power supply 12V, 500mA (optional)*. In case of battery power, install two type C 1.5V batteries into outdoor panel battery compartment (pay attention on batteries polarity while installation). Attach battery compartment cover and fix it by the screw from the kit.

In case of using external 12V, 500mA power supply, connect two wires from the power supply to the outdoor panel connector taking into consideration wires polarity.

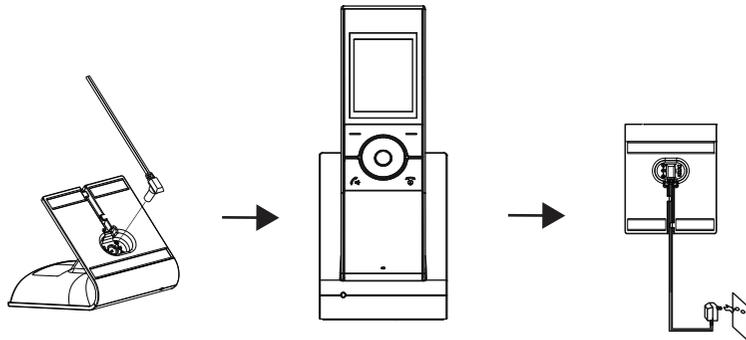


Note:

* Don't use batteries and external power supply simultaneously to power outdoor panel. It can cause damage to the system. In case of outdoor panel battery power, manual image monitoring will be disabled in terms of energy saving. To enable manual monitoring you should disable energy saving mode. Instructions on how to do that you can find on page 15.

5. Charging device operation

Power supply socket situated on the bottom side of the charging device. Connect power supply from the kit to the charging device then connect it to the socket and put the handset to the charging device cup. Fully charge the battery before the first use.



6. Schematic diagrams

Diagram 1. Outdoor panel and electromechanical lock connection.

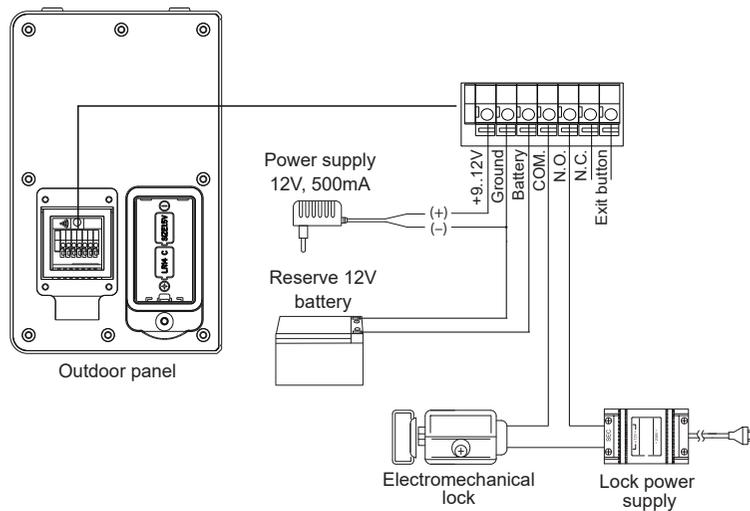
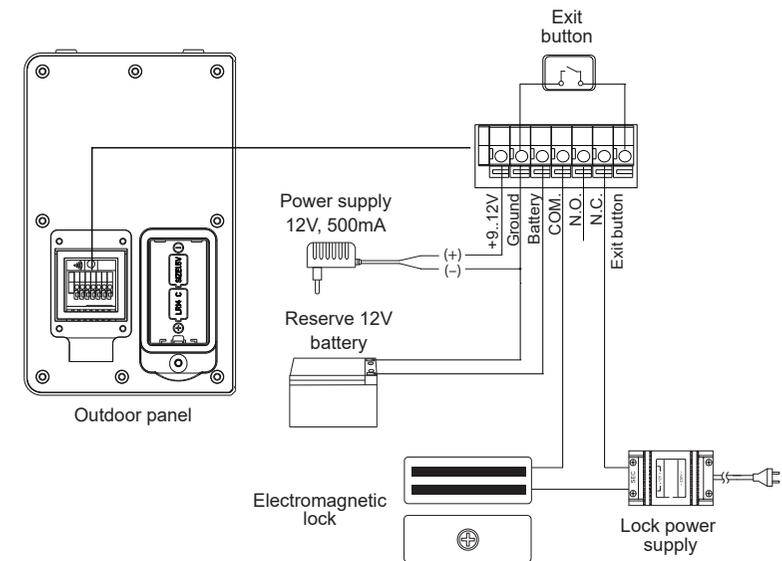
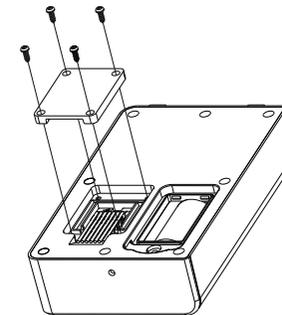


Diagram 2. Outdoor panel and electromagnetic lock connection.

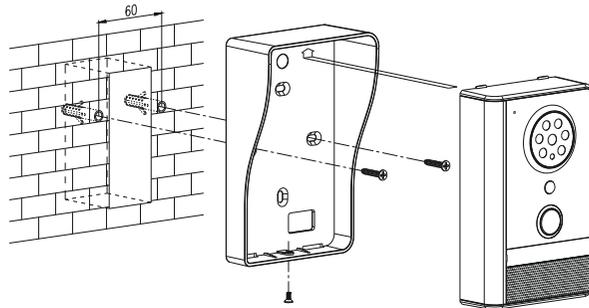


7. Installation

- 1) After all wires have been connected, fit them into the groove, install the cap and fix it by four screws from the kit.



- 2) Take the surface mount bracket from the kit and place it 150-160 cm (5 ft.) up from the floor line.
- 3) Mark and drill two holes in the wall 60mm (2,36") from each other horizontally.
- 4) Take two wall anchors from the kit and hammer them into the drilled holes.
- 5) Fix surface mount bracket on the wall by two screws from the kit.
- 6) Connect all communication wires and fix the door panel inside the surface mount bracket by the screw from the down side.



8. Handset turning on/off

Press and hold  button to turn on the handset.

After turning on the handset next image will appear on the screen:



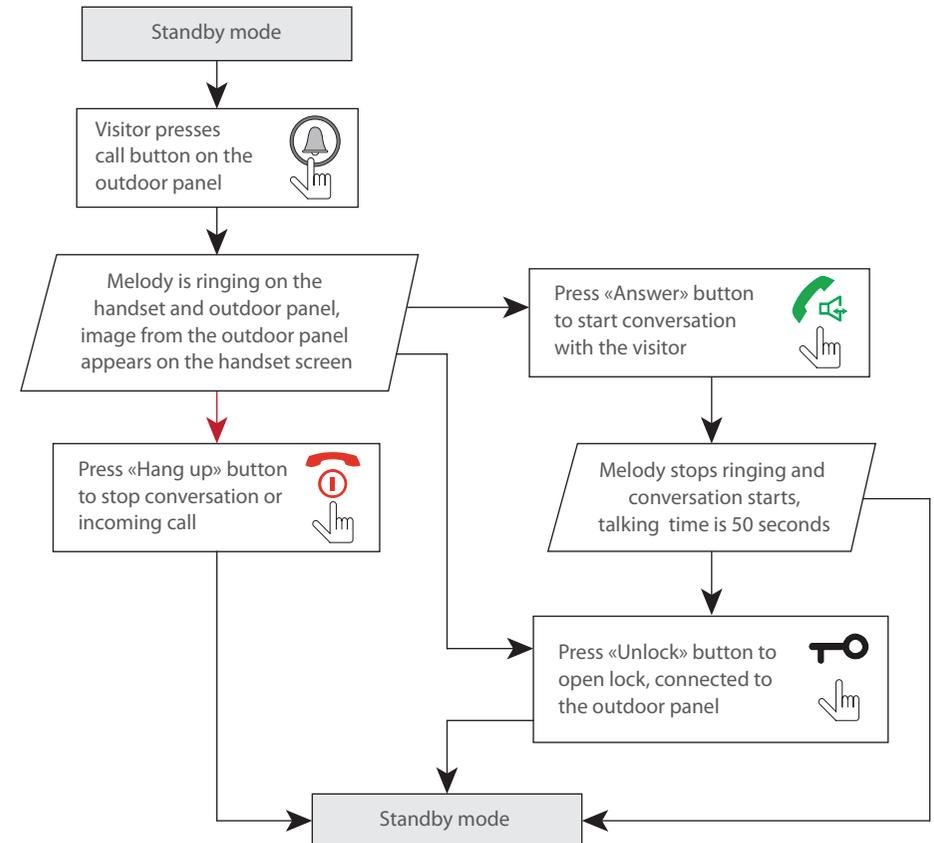
Press and hold  button any time in active mode to turn off the handset.

When battery power is low, the icon  will appear on the screen and you will hear warning sound.

After that handset will be turned off and it needs to be charged.

9. Operation

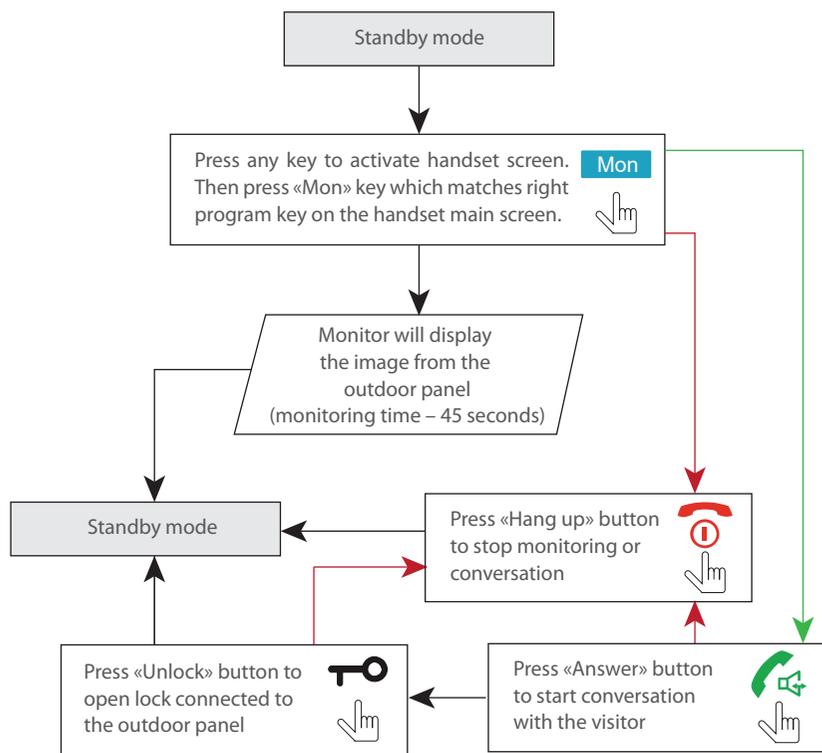
9.1 Incoming call



Notes:

- 1) Monitor will be automatically switched into standby mode if the user doesn't answer incoming call during 15 seconds (default value);
- 2) Image and sound from the outdoor panel will be disabled after the moment user presses  button.

9.2 Outdoor panel monitoring



10. Handset settings

10.1 Settings navigation

Press any key to activate handset screen. Left and right bottom keys on the screen matches left and right program buttons on the handset keyboard (see schematic diagram on page 5).

Press left program key **Menu** on handset keyboard to enter main settings menu.

Use **^** and **v** buttons to move through the menu.

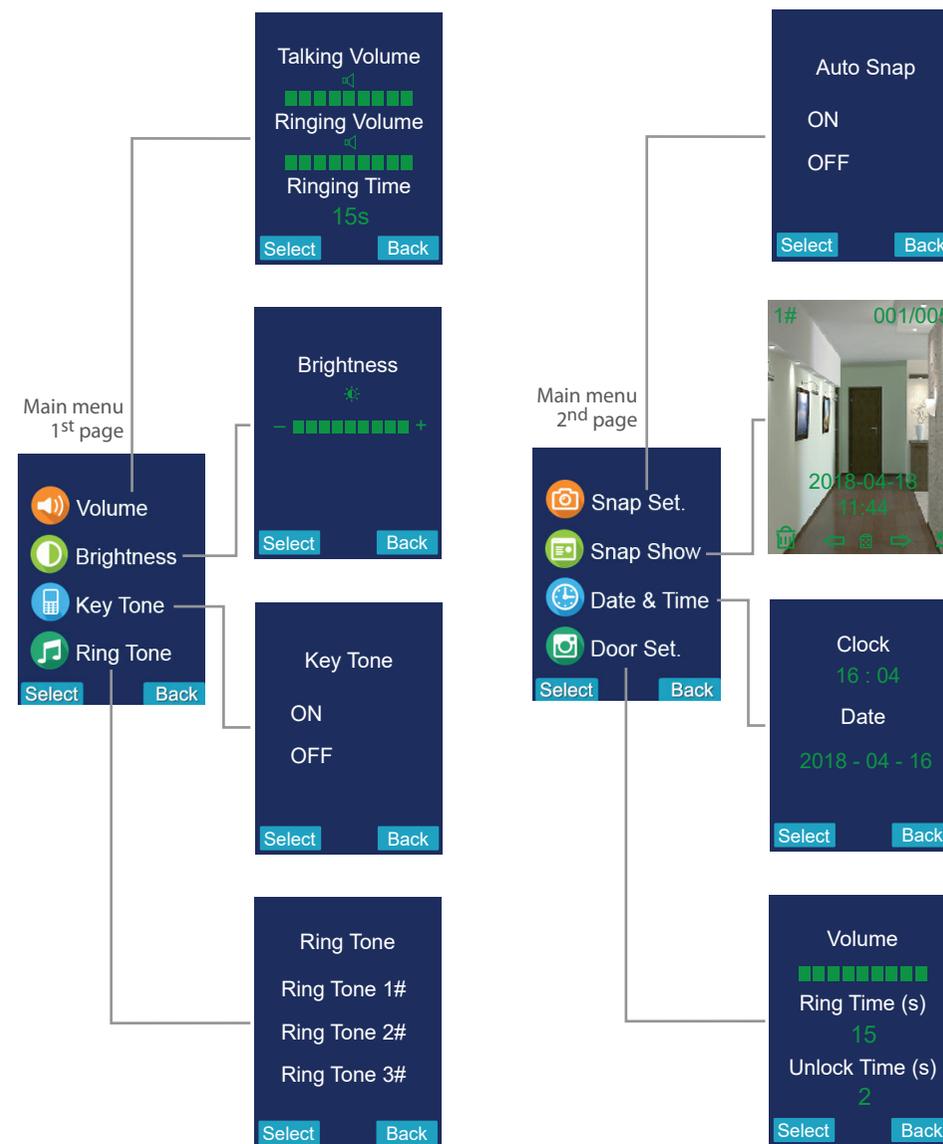
Use **Select** button to select current sub menu.

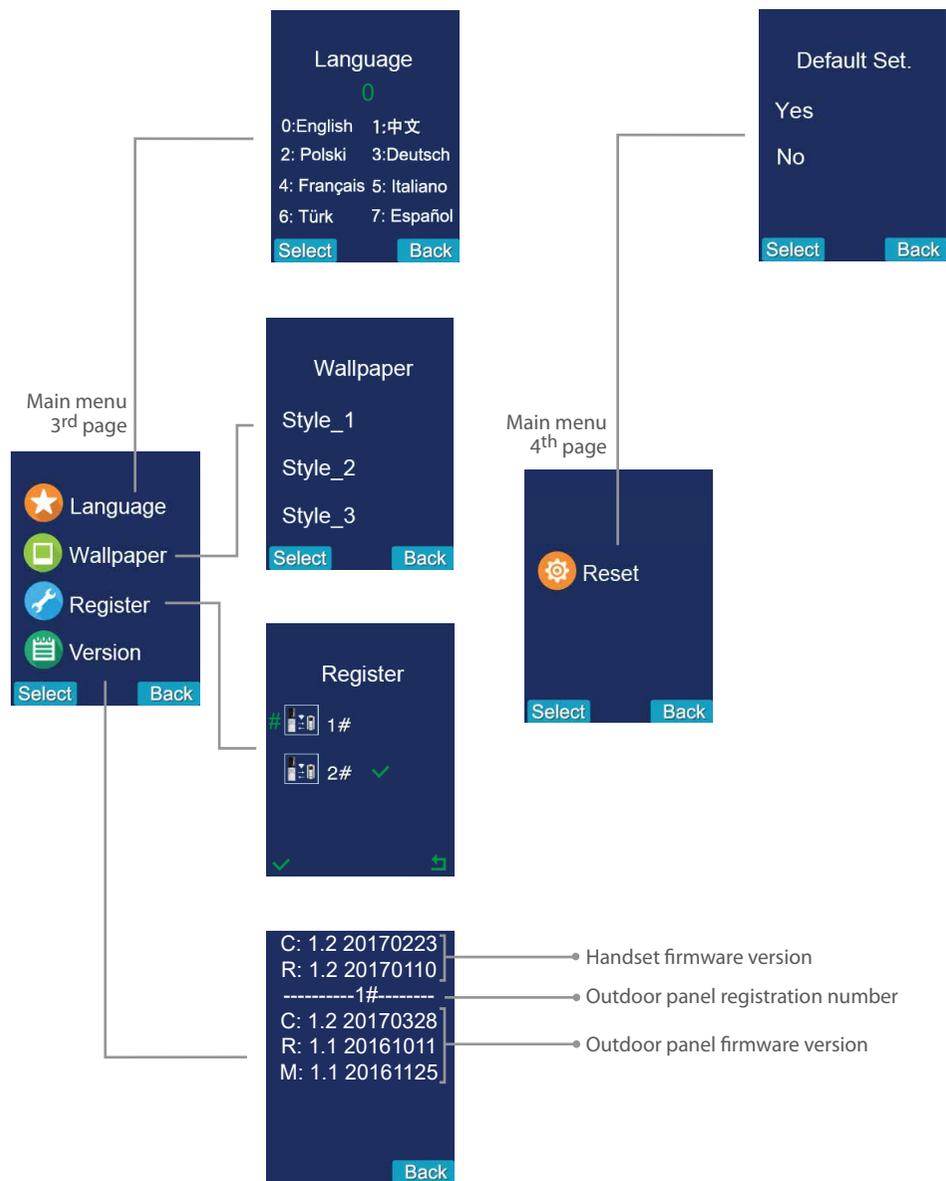
Use **Back** button to exit current screen.

Use **<** and **>** buttons to change current parameter value.

10.2 Settings menu structure

Handset menu has the following structure:





11. Taking snapshots

Enter «Snap Set» menu on the 2nd page of settings menu. If «Auto snap» function is on, then every time somebody calls the outdoor panel, handset makes automatic snapshot. Also snapshot can be made manually by pressing right program key  while manual image monitoring or talking with the visitor.



12. Snapshots playback

Enter «Snap Show» menu on the 2nd page of settings menu. На экране отобразится меню просмотра фотографий:



Use  and  navigation keys to move through the snapshots list.

Press left program key  to delete current snapshot then press left program key  again to confirm operation or press right program key  to cancel.

Press  key to delete all snapshots then press left program key  to confirm operation or press right program key  to cancel.

Press right program key  to exit from snapshots playback mode.

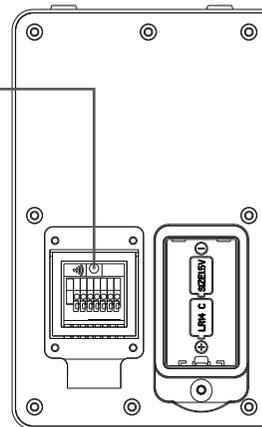
13. Engineering mode

13.1 Outdoor panel registration

Two outdoor panels can be connected to one handset. Every outdoor panel should be registered on the handset. Registration steps are as follows:

1. Using screwdriver press and hold «register» button on the back of outdoor panel during 3 seconds until you will hear sound signal and call button backlight starts blinking.
2. Enter «Register» menu on the 3rd page of handset settings then choose channel number which outdoor panel will be connected to, using \wedge and \vee buttons. Then press left \square program key to start registration process. You will hear sound signal and green sign near channel number will appear. It means that outdoor panel was successfully registered on the handset.

If you want to delete registered outdoor panel from the handset memory, choose channel number in «Register» menu and press left program key \square then press left program key \square again to confirm operation or press right program key \square to cancel.



13.2 Energy saving mode

While using batteries to power up outdoor panel, energy saving mode is enabled by default. It means that user can't monitor image from the outdoor panel in order to save the battery power. In that mode user can monitor the image from outdoor panel only during incoming call.

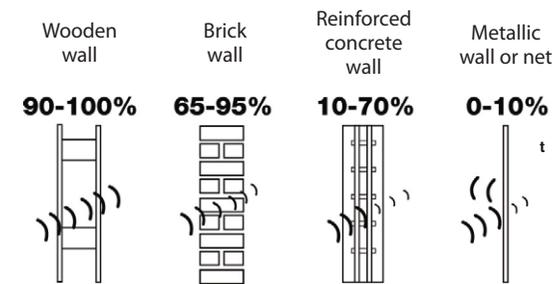
In order to disable energy saving mode and enable manual monitoring enter into register mode like it is described in paragraph 13.1, step 1. Then again press and hold «register» button on the back of outdoor panel during 3 seconds until you will hear triple sound signal. It means that energy saving mode has been disabled.

If you want to enable energy saving mode again, please follow the same steps as for disabling that mode described above.

14. Connection quality .

Since working frequency of that product is 2.4GHz, wireless signal has poor penetration through different obstacles. In order to ensure smooth communication please note the following:

- 1) Do not install outdoor panel on metallic doors or details that contains metal in their structure. Try to reduce obstacles quantity between outdoor panel and indoor handset. Every obstacle on the way absorbs signal intensity. On the picture below you can find average signal penetration value through the walls made of different materials:



Try to reduce walls quantity on the way from outdoor panel to the indoor handset;

- 2) Do not install outdoor panel or indoor handset near devices of the same frequency, such as router, bluetooth or micro wave oven in order to avoid causing the interference and shortening of communication range.

15. Limited warranty

Manufacturer guarantees product normal functioning during the warranty period if the user keeps all safety instructions described in that manual.

Warranty period is 12 months from the moment of the product purchasing (warranty period could be extended up to 24 months or more, depending on the local regulations).

Warranty period allows user to make guarantee repair in cases when normal functioning of the product was violated by the fault of manufacturer and the user haven't offend transporting, installation and working conditions.

This limited warranty does not cover any damage to the product that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair or modification.

Warranty void in such cases:

- the product was damaged by the fault of the customer;
- the product wasn't properly installed according recommendations from the manual;
- the sticker on the backside of the product was broken;
- the product was not used for its intended function.

This limited warranty covers only repair, replacement, refund or credit for defective products, as provided above. Manufacturer is not liable for, and does not cover under warranty, any damages or losses of any kind whatsoever resulting from loss of, damage to, or corruption of, content or data or any costs associated with determining the source of system problems or removing, servicing or installing products. This warranty excludes third party software, connected equipment or stored data. Manufacturer is therefore not liable for any losses or damage attributable to third party software, connected equipment or stored data.

In the event a product has been discontinued, manufacturer shall either repair the product, offer to replace it with a comparable product or provide a refund at the lesser of the purchase price or the product's current value.

Repaired or replacement products will continue to be covered by this limited warranty for the remainder of the original warranty term.