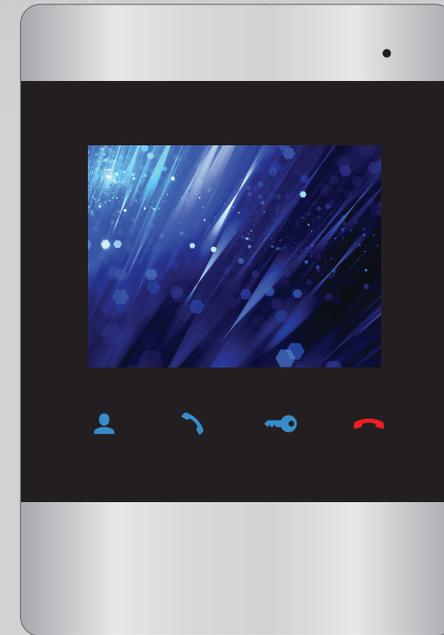


SERIES DESIGN
DIRECT

SM-04M

4" video door phone



User manual

Thank you for the
choice of our equipment

SLINEX {Design. Uniqueness. Innovation}

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 the -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

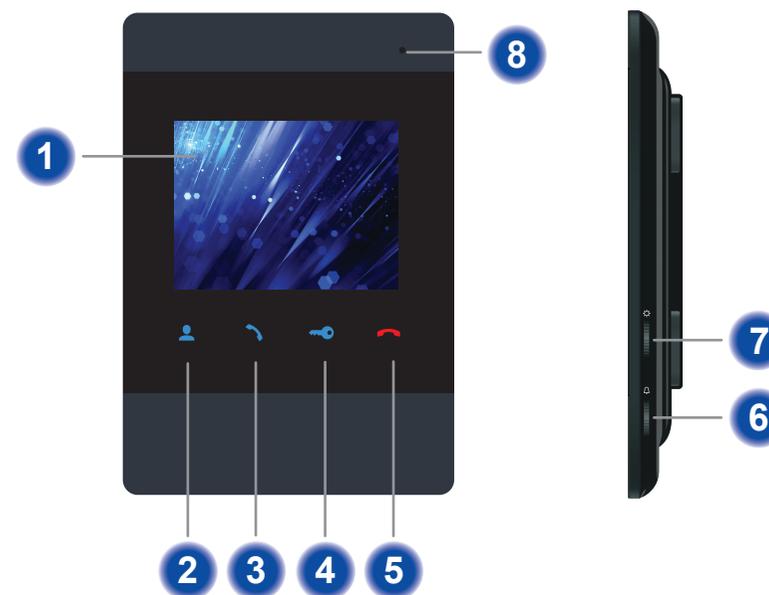
- SM-04M door monitor – 1 pc.
- Wall mounting bracket – 1 pc.
- Connection wires – 5 pcs.
- Mounting screws and nuts – 1 pkg.
- User manual – 1 pc.

2. Specification



Screen	4", color TFT (4:3)
Resolution	320x240 pixels
Video system	PAL/NTSC
Audio type	Half duplex
Call time	120 seconds
Internal memory	250 photos
Memory extension slot	No
Standby mode power consumption	1 W
Working mode power consumption	6 W
Power supply	Built-in power supply, ~100–240 V
Mounting type	Surface mount
Size	118x169x20 mm
Working temperature	-10...+55 °C

3. Description



1	Display
2	«Monitor» button – door panel or camera image monitoring
3	«Answer» button – incoming call answer and start talking with the visitor
4	«Unlock» button – door unlocking
5	«Hang Up» – stop conversation with the visitor / settings menu exit
6	Volume joystick: <ul style="list-style-type: none"> • move joystick up or down during intercom to increase or decrease talking volume; • push the joystick while monitoring to save a photo; • push the joystick while standby to enter photo viewing mode
7	Settings joystick: <ul style="list-style-type: none"> • push the joystick any time to enter settings menu; • move joystick up or down to move through the settings menu (next/previous parameter); • push the joystick on any parameter to change its value. Change the value of current parameter by moving joystick up or down and then push the joystick again to save the parameter.
8	Microphone

4. Installation

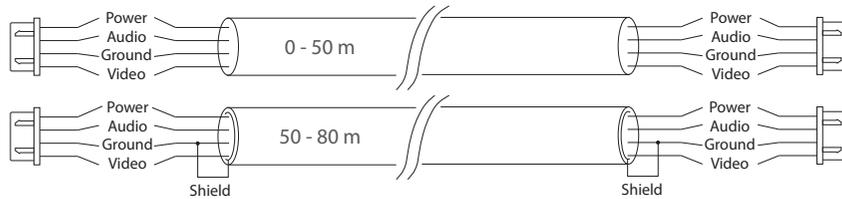
4.1 Cable requirements

Disconnect all power cables before device installation.

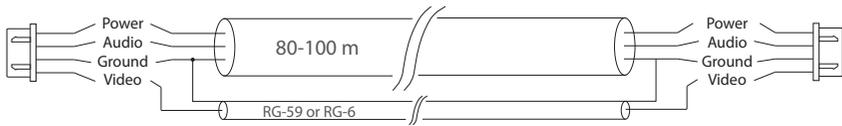
This device can be connected with such cable types depends on the distance between door monitor and door panel:

a) Use 4-wire cable with such parameters:

- distance up to 25 meters use a cable with 0,22 mm² square of one wire;
- distance 25 to 50 meters use a cable with 0,41 mm² square of one wire;
- distance 50 to 100 meters use a cable with 0,75 mm² square of one wire.

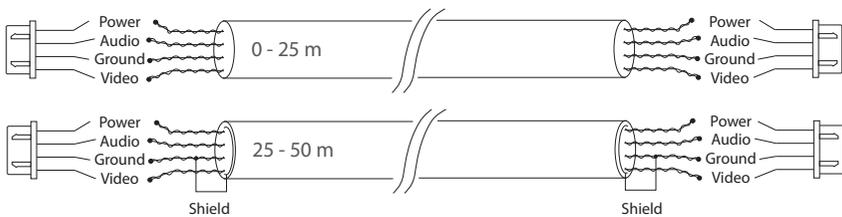


b) If the distance between door monitor and door panel is between 80 and 100 meters then use a 3-wire cable with 0,75 mm² square of one wire and RG-59 or RG-6 coaxial cable for the video signal.



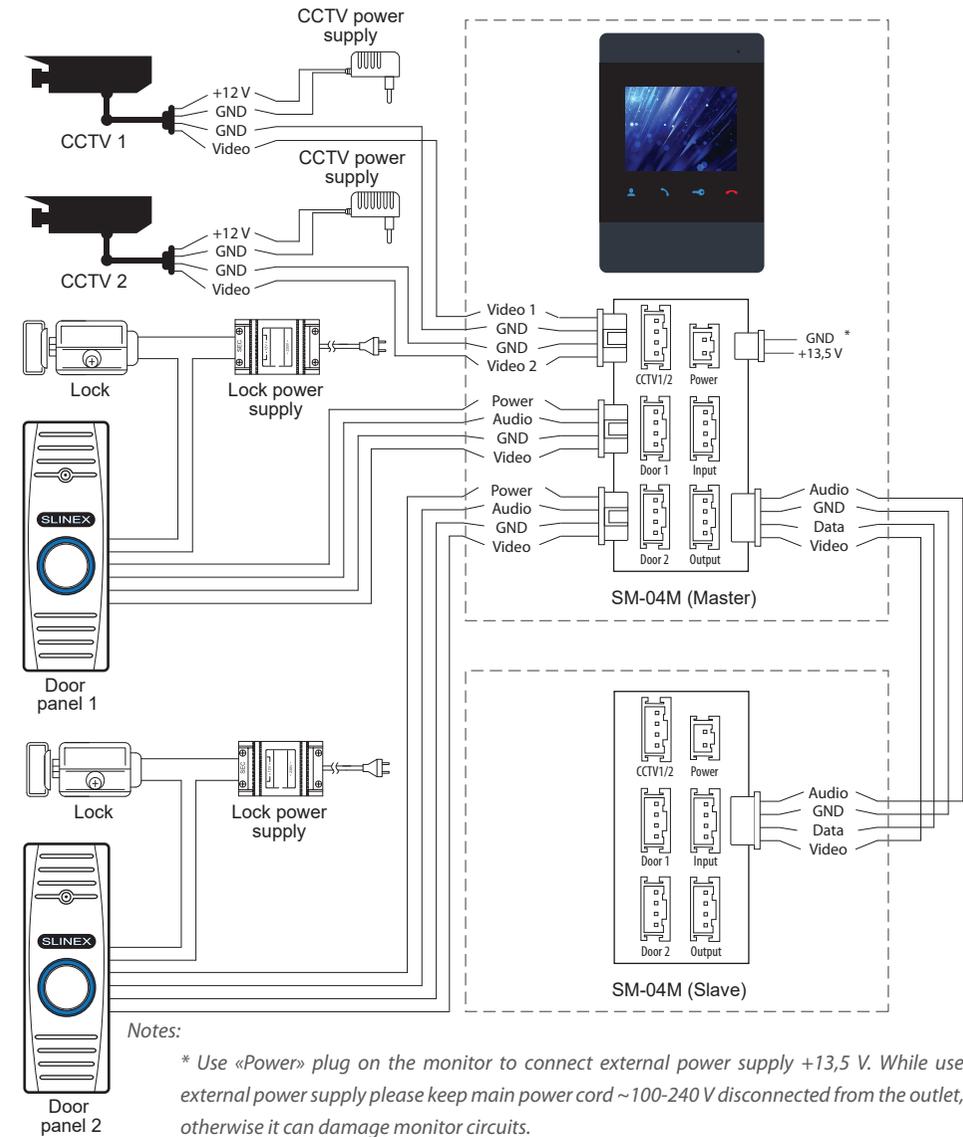
c) Shielded or non-shielded twisted pair (not recommended):

- distance up to 25 meters non-shielded twisted pair can be used;
- distance 25 to 50 meters shielded twisted pair should be used.



4.2 Schematic diagrams

SM-04M door panels, cameras and locks connection.



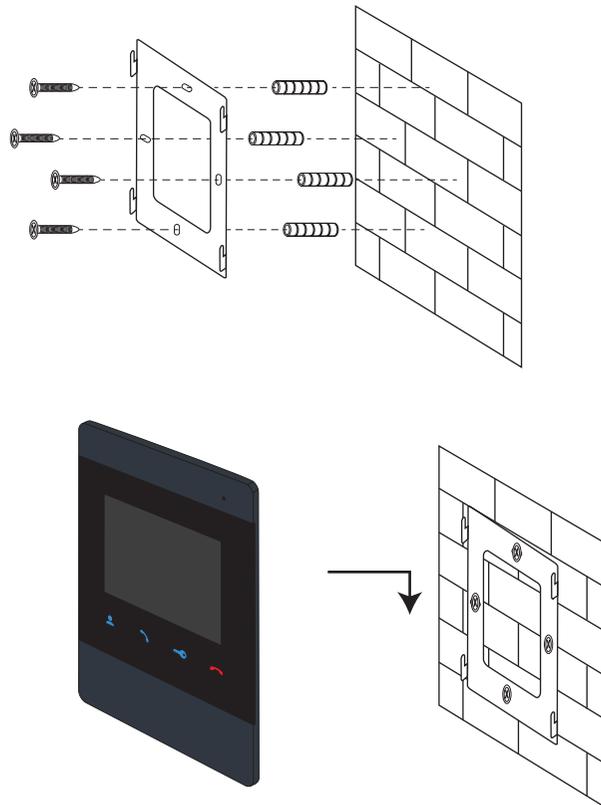
Notes:

* Use «Power» plug on the monitor to connect external power supply +13,5 V. While use external power supply please keep main power cord ~100-240 V disconnected from the outlet, otherwise it can damage monitor circuits.

** Door panels, cameras, power supplies and locks, described on the diagram are optional devices and are not included into monitor kit.

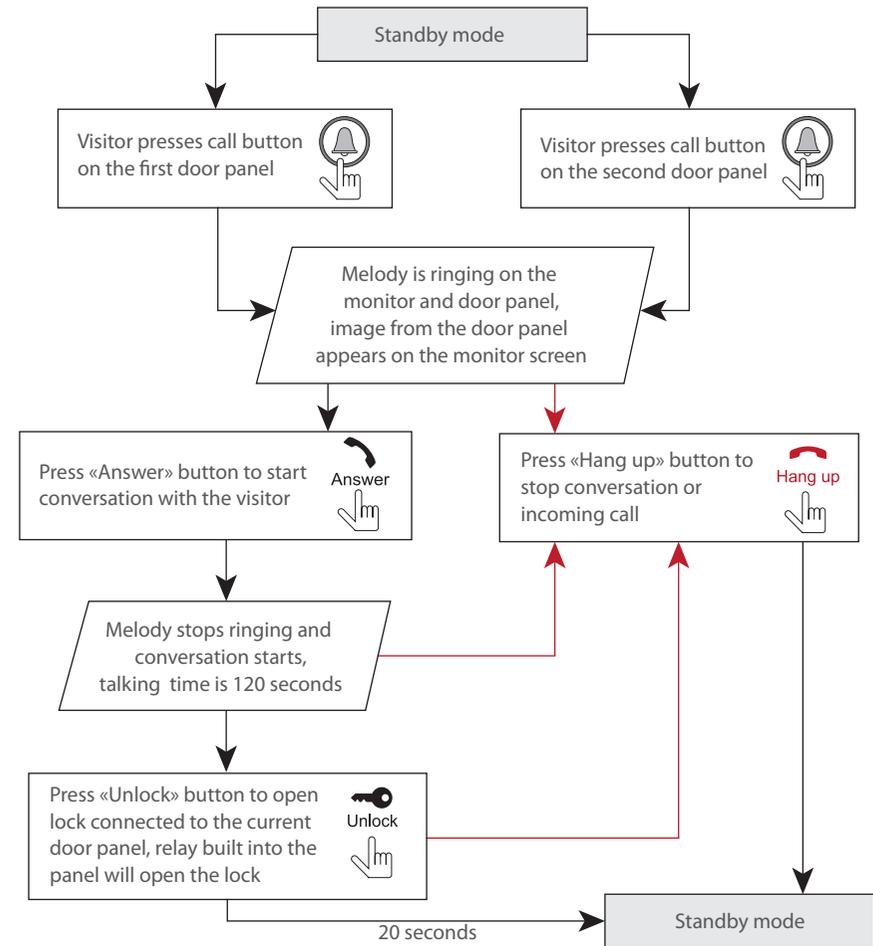
4.3 Unit mount

- 1) Take the surface mount bracket from the kit and situate it 150-160 cm from the floor line.
- 2) Mark and drill four halls in the wall.
- 3) Take four nuts from the kit and hammer them into the drilled halls.
- 4) Fix surface mount bracket on the wall by four screws from the kit.
- 5) Connect all communication wires and fix the monitor on the surface mount bracket.



5. Operation

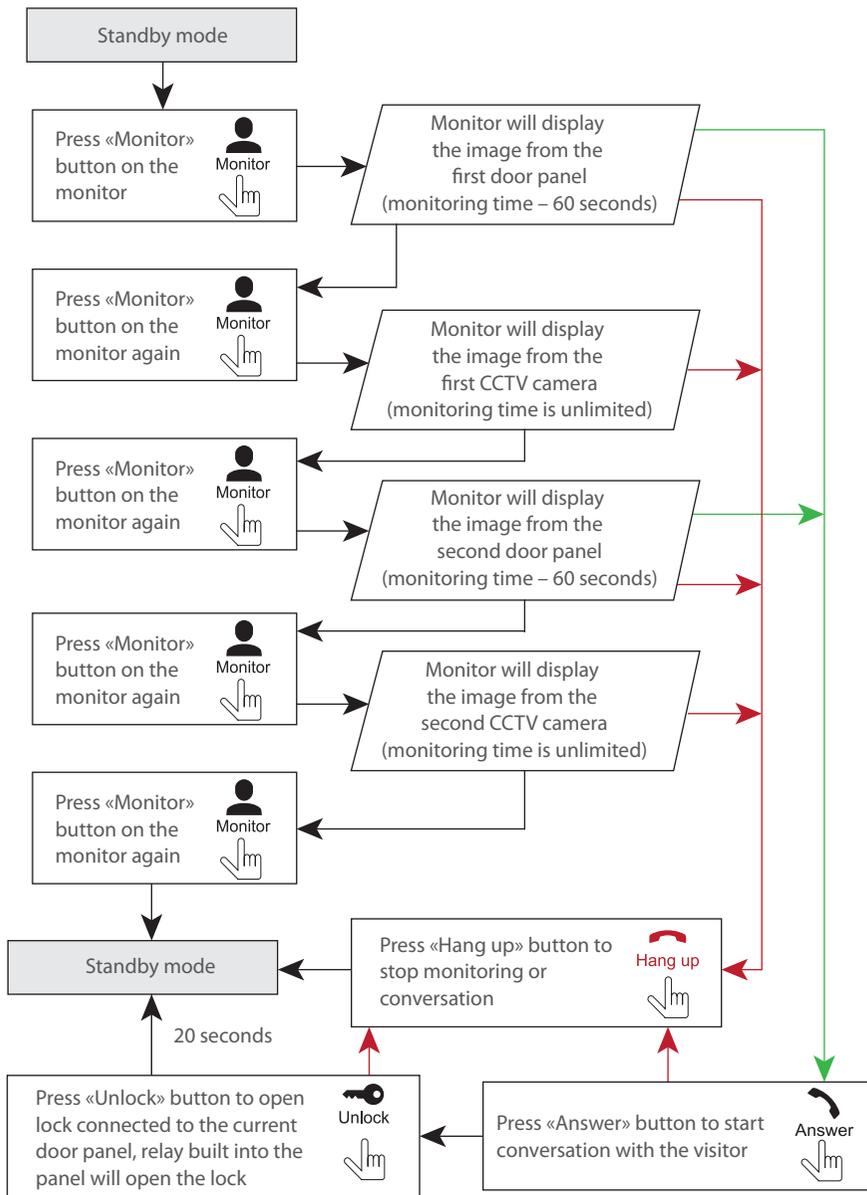
5.1 Incoming call



Notes:

- 1) Monitor will be automatically switched into standby mode if the user doesn't answer incoming call during 60 seconds;
- 2) Image and sound from the door panel will be active during 20 seconds after the moment user presses  button. It let the user know if the visitor passed through the door.

5.2 Door panel and camera image view

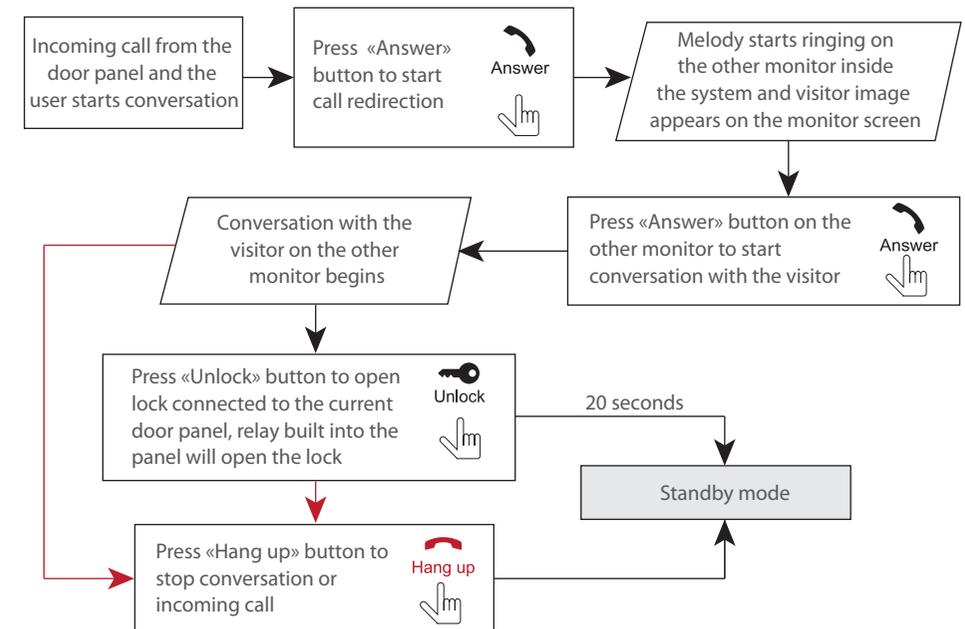


Notes:

- 1) If only one door panel connected to the monitor then you can escape monitoring mode by pressing «Monitor» button one more time. (all other sources of video signal should be disabled in the monitor settings).
- 2) If several monitors connected into one system, the user can view the image from door panels and cameras on any monitor inside this system. The image will be transferred from the «Master» monitor door panels and cameras to the «Slave» monitors.
- 3) If someone press call button on the door panel while monitoring is active then the image from this door panel appears on the monitor screen and call melody starts. Press «Answer» button to start conversation.

5.3 Incoming call redirection

Two monitors connected into one system are used.

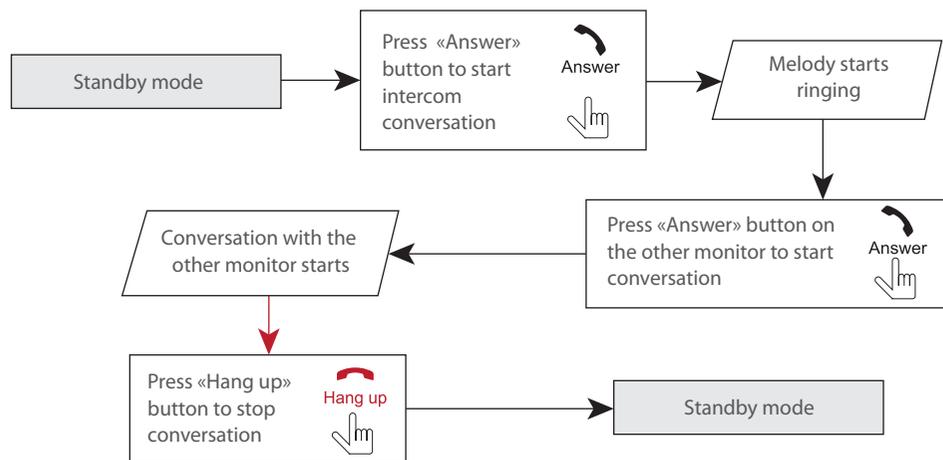


Note:

If incoming call was successfully redirected to the other monitor and other user answered the call then current monitor will enter standby mode.

5.4 Intercom

Two monitors connected into one system are used.



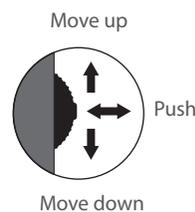
Note:

If someone press call button on the door panel while intercom is active then the image from this door panel appears on the monitor screen and call melody starts. Press «Answer» button to start conversation with the visitor.

6. Monitor settings

Settings joystick situated on the right side of the monitor case. It has several functions:

- push the joystick in stanby mode to enter monitor settings;
- move the joystick up or down to change current parameter of the monitor settings;
- push the joystick again to choose current parameter and move it up or down to change parameter value;
- push the joystick one more time to save current parameter setting.



Volume joystick also situated on the right side of the monitor case and has such functions:

- push the joystick in monitoring or talking mode to save a photo;
- push the joystick in standby mode to enter photo viewing mode.

Enter monitor settings like it described above.

	Language	English
	Date	2016-28-10
	Time	11:31:15
	Ring 1	♫ 08 🔊 08
	Ring 2	♫ 08 🔊 08
	Delete all	

	Mode	Master
	Door 2	Enable
	Cam	Enable
	Unlock	02s
	Exit	

The next parameters are available in the monitor settings:

Language – choose the monitor settings language;

Date – current date set;

Time – current time set;

Ring 1 – melody and volume for the first door panel;

Ring 2 – melody and volume for the second door panel;

Delete all – delete all photos from the monitor memory;

Mode: choose «Master», if any door panels or cameras connected to this door monitor, otherwise choose «Slave»;

Door 2 – include or exclude second door panel from the monitoring list;

Cam – include or exclude CCTV cameras from the monitoring list;

Unlock – lock relay open time (from 02 up to 10 seconds);

Exit – exit monitor settings.

If the user does not use the monitor (does not monitors door panel or camera, does not makes any settings), then the monitor will be automaticaly pushed into standby mode after 1 minute of no actions.

6.1 Display settings

Push the joystick in monitoring or talking mode to enter display settings. Use the manual from the previous page to navigate through the menu. Brightness, contrast and chroma can be changed in the range from 0 up to 50. Default values for every parameter is 25.

Choose «Exit» parameter and push joystick to exit from the display settings.

Also you can press button to exit.

	Brightness	25
	Contrast	25
	Chroma	25
	Exit	

7. Snapshot recording and viewing

Monitor automatically take snapshot every time visitor pushes the call button on the door panel. Push the  joystick in monitoring or talking mode to take manual snapshot. Internal memory capacity is 250 snapshots. If snapshots quantity exceeds 250, then most old snapshots will be deleted.

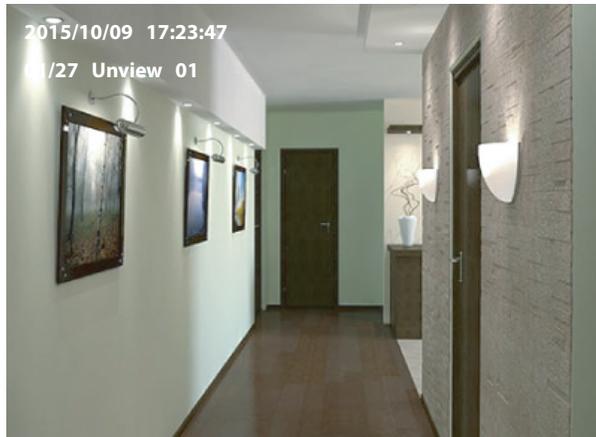
Push the  joystick in standby mode to enter snapshot viewing mode.

Move the  joystick up or down, to view next/previous snapshot.

Push the  joystick while viewing to delete current snapshot. Blinking  icon will appear on the display. Push the  joystick again to confirm snapshot deleting.

If you want to delete all snapshots from the monitors memory then go to the «Delete all» parameter in the monitor settings menu and push the  joystick on that parameter to start deleting.

Press  button any time to exit snapshot viewing mode.



8. 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.