



ACTUAL, RELIABLE, AVAILABLE

LMDS

LIFT MONITORING AND DIAGNOSTIC SYSTEM

Lift Unit 6.1 Pro



Quick start

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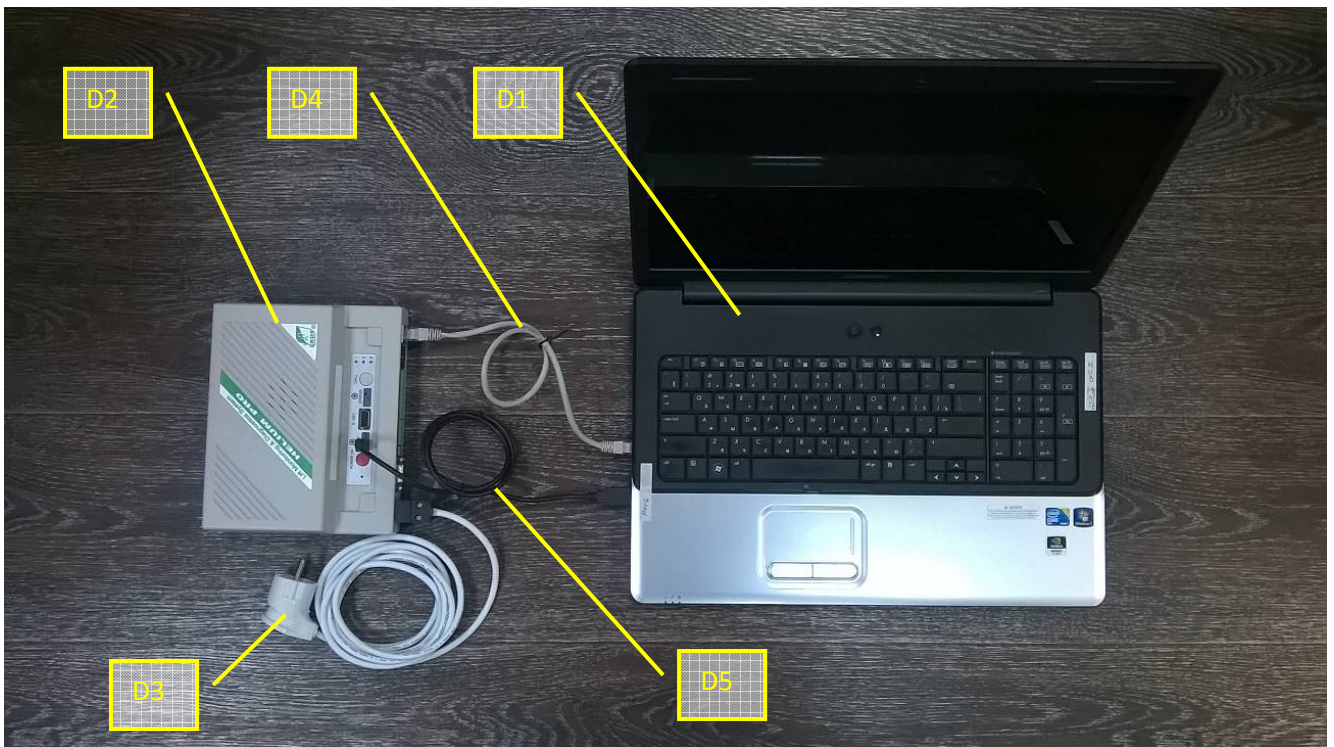
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1. In this manual

This manual describes installation of the software and installation of the LU 6.1 Pro.

The following equipment is needed:

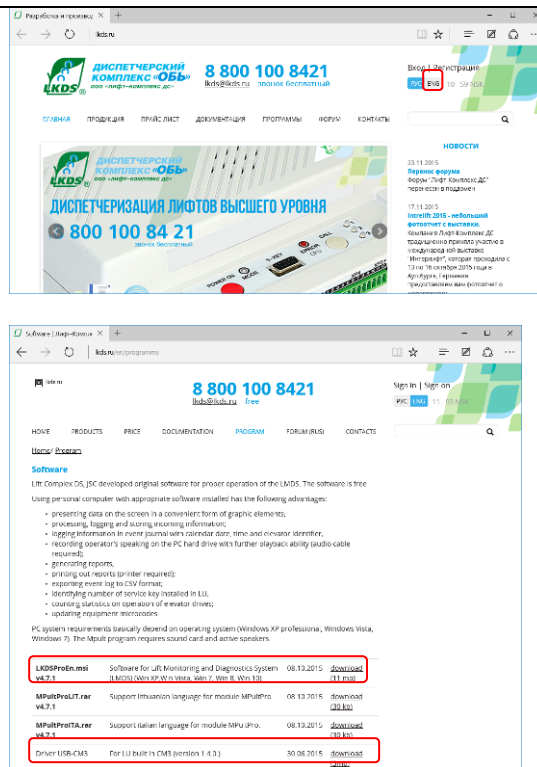
1. Personal computer with already installed Windows XP or Windows Vista or Windows 7 or Windows 8 or Windows 10 (Example of installation is provided in the Windows 10 user guide). PC should have one available LAN port and one available USB port.
2. Lift unit 6.1 Pro
3. Mains cable
4. Ethernet cable
5. Mini USB cable



2. Installation of the software.

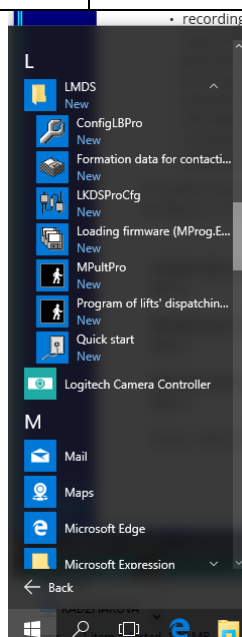
Installation of the software should be carried out by the person having administrator's rights in Windows!!!

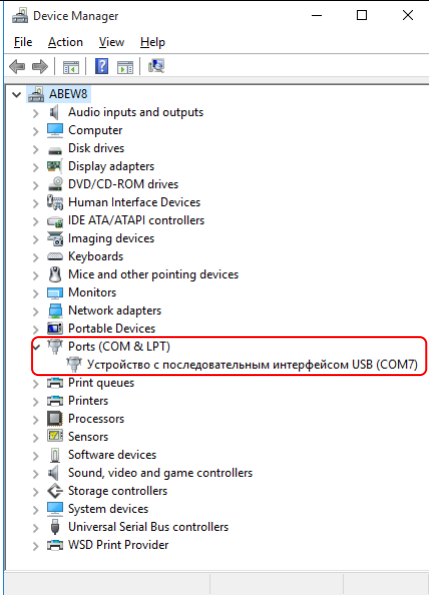
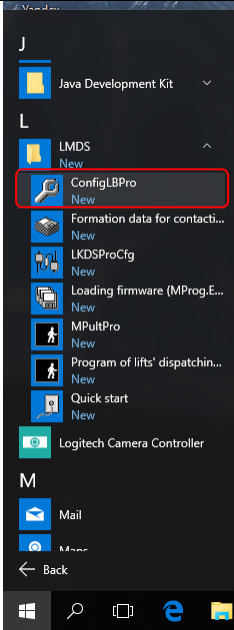
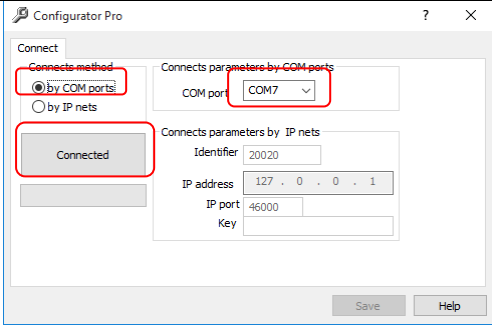
To install the software, go to the website LKDS.RU. Press "ENG" and set the "LKDSProEN.msi and Driver USB-CM3"

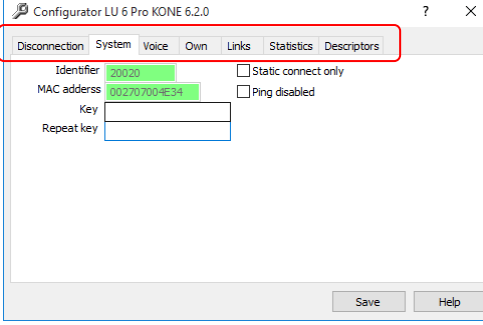
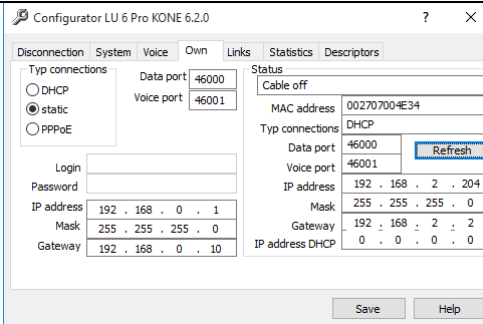
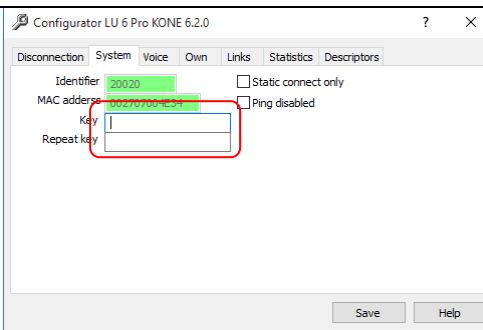
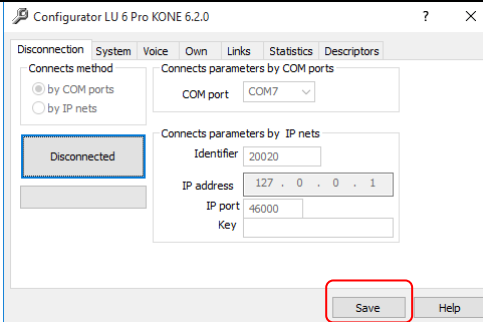


2.1. After such installation in the Windows menu «All apps» extra options will appear.

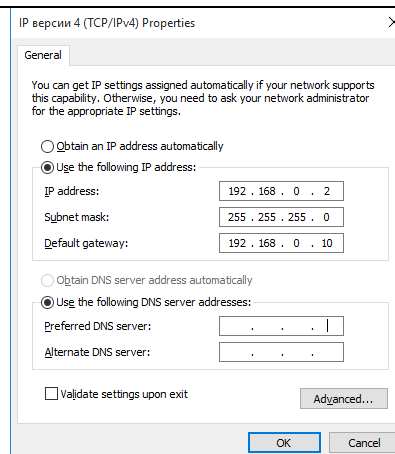
Start->All apps->LMDS



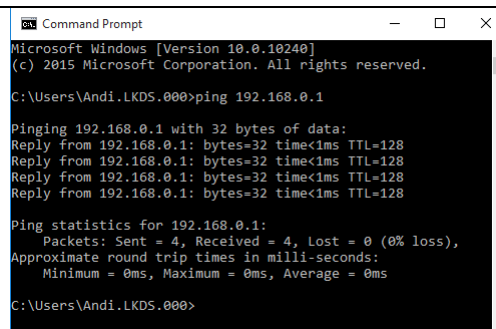
| | |
|--|--|
| <p>3. Connection of the configurator. Connect the LU 6.1 Pro (D2) to USB port of the computer by mini USB cable (D5). Windows should identify the new device. In the device manager the option «USB Serial Port» will appear.</p> |  |
| <p>4. Checking of configuration of the lift unit. Connect the LU 6.1 Pro (D2) to the power line of 220 v by the cable (D3). Run the module ConfigLBPro. Start->All apps->LMDS->ConfigLBPro</p> |  |
| <p>4.1. Mark the box «by COM ports», choose the COM port in the text box «COM port» and click «Connected».</p> |  |

| | | |
|--|--|--|
| <p>4.2. In the case of successful connection additional tabs will appear and module window will be the following:</p> |  | |
| <p>4.3. The tab «Own» shows IP parameters of the lift unit. The new unit should have the same parameters as on the figure. If there is no coincidence you need to type the parameters.</p> |  | |
| <p>4.4. In the tab «System» the value of the text box «Identifier» is very important. The box shows the unique identifier which is assigned to the lift unit by the manufacturer. This identifier also marks the case of the lift unit. You need to type in the key (password) to boxes «Key» and «Repeat key». This key will be used for codification and authentication. For example 123456</p> <p>You need necessarily type in the key !!!</p> |  | |
| <p>4.5. Then go to the tab «Disconnected» and save settings of the LU 6.1 Pro by clicking the Save button.</p> |  | |

4.6. To provide the connection with the lift unit through the IP network you need to assign the following settings of the TCP/IP protocol of the computer's network card:



4.7. After changing of settings of the network card you need to connect the lift unit (D2) to the computer (D1) by the Ethernet cable (D4) and issue with the use of the «Command Prompt» (Start/X-> Command Prompt) the command ping 192.168.0.1. The lift unit should reply to this command in the following way:

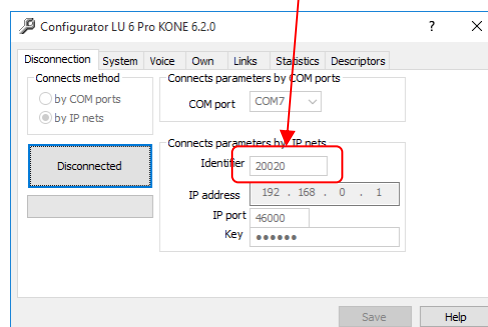
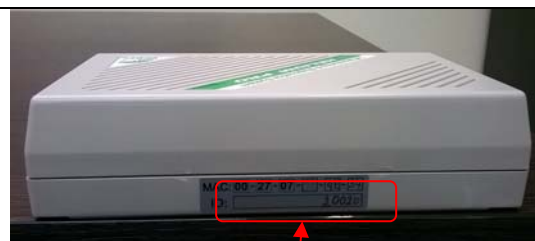


4.8. Then in the module ConfigLBPro you need to click the «Disconnected» button, then choose the type of connection «by IP nets» and type:

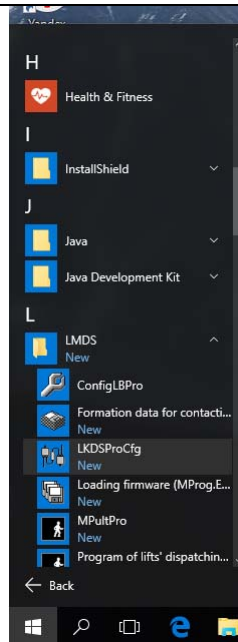
- identifier of the lift unit in the box «Identifier» (in our example: 3)
- network address of the lift unit in the box «IP address» (in our example: 192.168.0.1)
- IP port which will be used for transmitting of digital data to the lift unit in the box «IP port» (in our example: 46000)
- key in the box «Key» (in our example: 123456)

Then you need to click the «Connected» button. In the case of successful connection the following tabs should appear.

Further settings must be done only in the case of successful network connection of the module ConfigLBPro to the lift unit through the Ethernet cable !!!



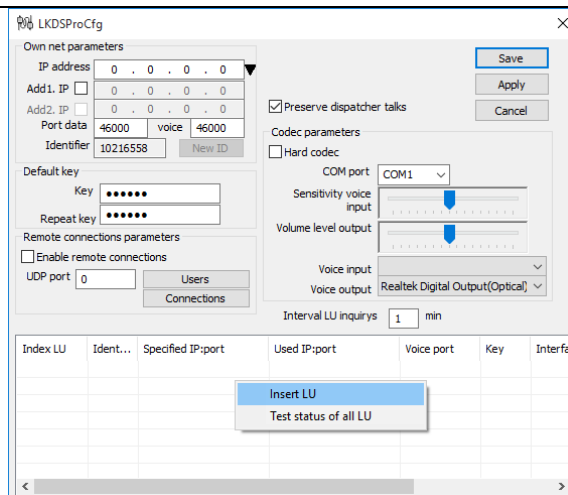
5. Introduction of the lift unit in the settings. Run the module LKDSProCfg. Start->All apps->LMDS->LKDSProCfg



5.1. In the panel of the module assign the following:

- in the box «IP address» the value 0.0.0.0
- in the box «Data port» the value 46000
- in the box «Voice port» the value 46001
- in boxes «Key» and «Repeat key» type the key which was typed in the lift unit. In our example: 123456

In the list of elevators click the right mouse button and choose «Insert lift unit»

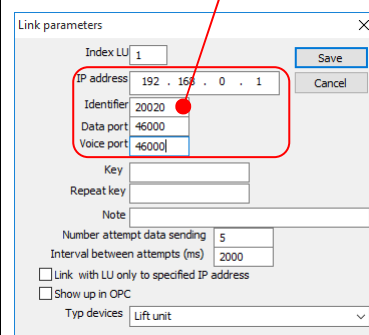


5.2. In the appearing panel type the parameters of the lift unit:

- in the box «IP address» the value 192.168.0.1
- in the box «Identifier» the value 20020
- in the box «Data port» the value 46000
- in the box «Voice port» the value 46001

The value of the box Index LU is extremely important in this panel. It is automatically inserted when creating description. The value of the box Index LU will be used later for referring on this lift unit from other modules of the bundled software.

Then save parameters.




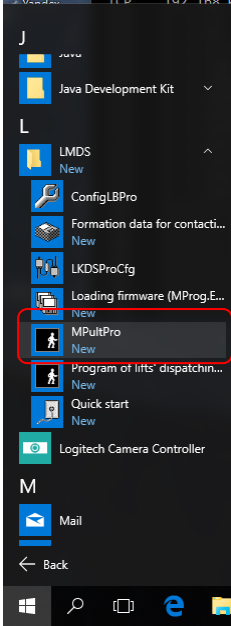
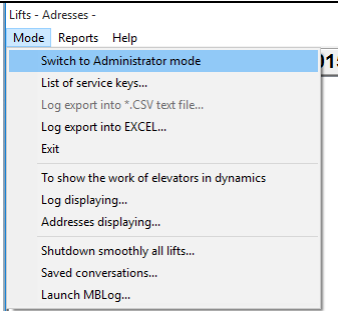
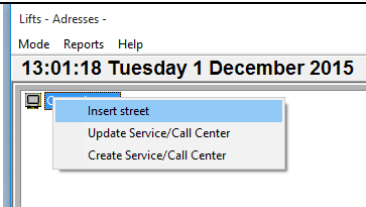
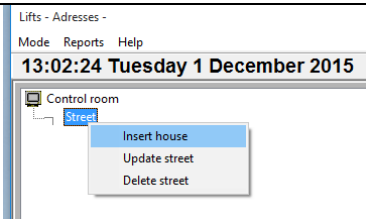
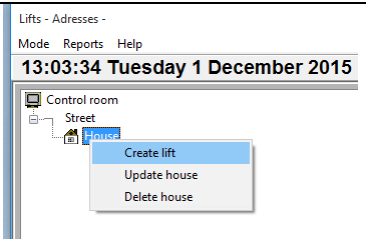
5.3. The panel of the module LKDSProCgf assume the shape of:

Save the configuration by clicking «Save»

5.4. With the use of «Command Prompt» (Start/X->Command Prompt) issue the command netstat -an. The command will show the report in which there should be the line marked by the red frame

5.5. Run the module LKDSProCgf one more time. When the connection with the lift unit is established the sign should

appear  in the column «Index LU». Click the right mouse button over the line with the description of the lift unit and choose «On LSC with MR». The voice connection with the lift unit should switch on. The direction of connection is shifted by the button on the handset. To switch off the voice connection click the right mouse button over the line with the description of the lift unit and choose «Off LSC». Close the window of the program LKDSProCgf.

| | |
|--|--|
| <p>6. Adjusting of the control module over the condition of the elevator. Run the module MPultPro. Start->All apps->LMDS->MPultPro</p> |  |
| <p>6.1. In the menu of the module choose «Mode» and subpoint «Switch to Administrator mode». The password input panel will appear for moving to the regime of administrator. Type 123456</p> |  |
| <p>6.2. Click the right mouse button over the line «Control room» and choose «Insert street». In the input panel type «Street»</p> |  |
| <p>6.3. Click the right mouse button over the line of inserted street and choose «Insert house». In the house input panel choose House.</p> |  |
| <p>6.4. Click the right mouse button over the line of inserted house and choose «Create lift»</p> |  |

6.5. In the panel of the elevator's parameters, namely in the box «Entrance» type any parameter, for example entr.1 and in the box «Index LU 6.1 Pro» type 1 (index formed by the module LKDSProCfg). Close the panel with the saving of information.

Street, House, (1)

General parameters

Entrance: ent 1

Abbreviation: 1

Unique code: 277C9EE3A8154A7DB8CDAD89F414DA18

User event: [dropdown]

Type: Lift

Number of floors under: 0

Floor number: [button]

☒ Managed

☐ Included in statistical control

Index LU HELIUM Pro: 1

Camera-recorder parameters

Command string: [text box]

Lift reference parameters

Lift owner: [dropdown]

Headman: [dropdown]

Serviceman: [dropdown]

Registration N: [dropdown]

Lift type: [dropdown]

Elevating capacity, kg: [dropdown]

Speed, m/sec: [dropdown]

Number of stops: [dropdown]

Start-up year: [dropdown]

Next engineering certification: [dropdown]

Lift manufacturer: [dropdown]

Lift drive: [dropdown]

Lift drive: [dropdown]

Traction sheave, mm: [dropdown]


Control cabinet: [dropdown]

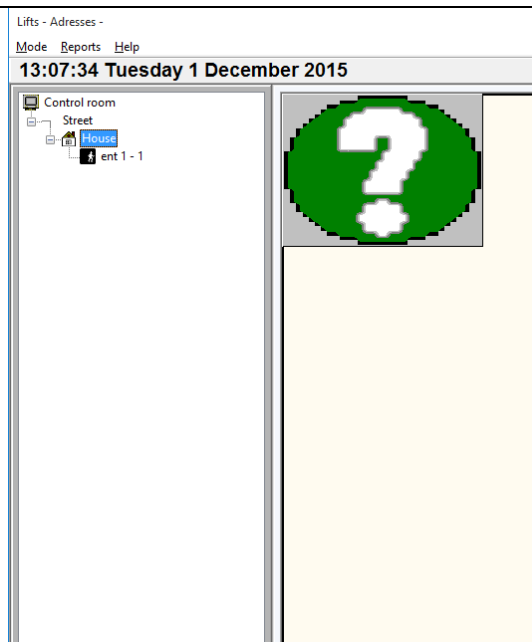
Communications officer: [dropdown]

Factory N LU: [dropdown]

Note: [text area]

6.6. After this the window MPultPro will assume the shape of:

The sign  means that the current condition of the lift unit and elevator is unknown.



6.7. then confirm the necessity of saving the configuration.


MPultPro

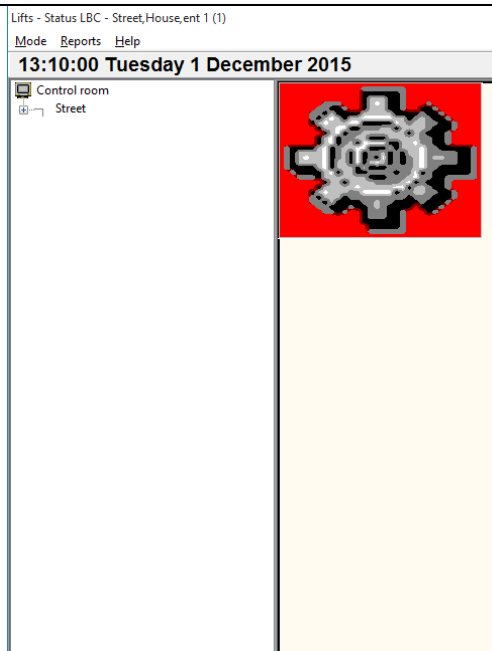
Save updating lift description in file MPultPro.Xml ?

Yes No

6.8. The window of the module MPultPro will assume the view of:




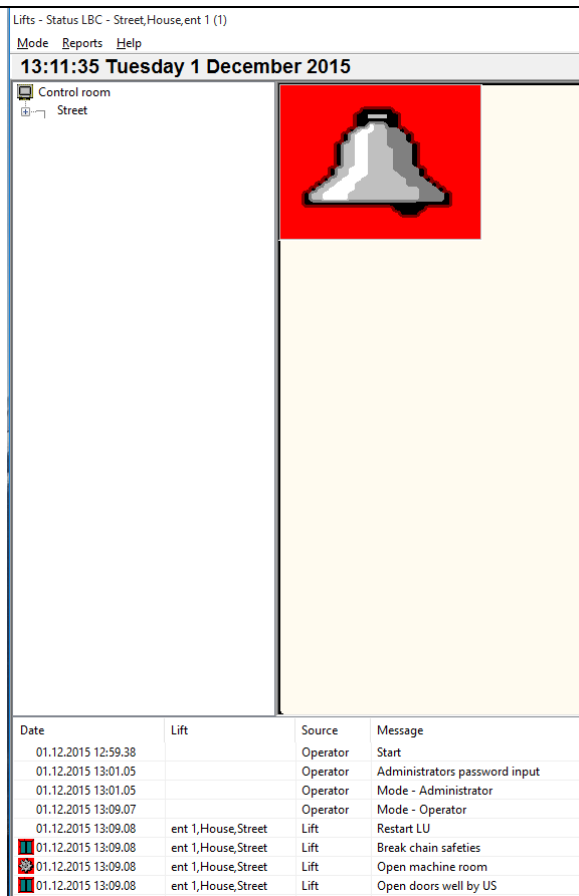
Blinking sign  and sound indication means that connection between the module MPultPro and lift unit is established. Double click the left mouse button over the sign and close the appearing window. Blink and sound indication should disappear.



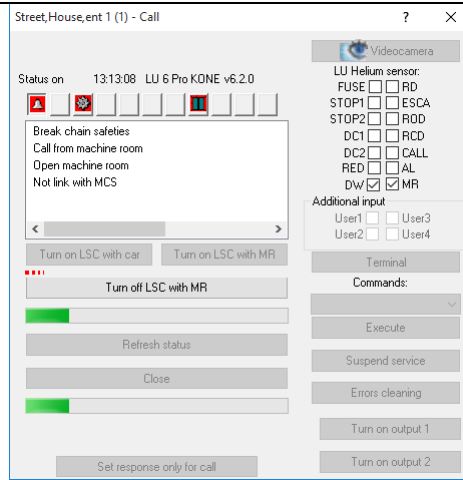
6.9. Press the button «Call» on the lift unit. The sign of condition of the lift unit



should change on blinking , the sound indication of the call should appear. Double click the left mouse button over the sign. The voice connection with the unit should switch on.



6.10. To switch off the voice connection press the button «Turn off LSC with MR». Then close the panel.



Additional lift units can be added to the system by the module LKDSProCfgr (section V of the present document). Index of the added lift unit is used for inclusion of condition reflex of the present lift unit in the MPultPro module.



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