

# Lun-11 mod2 Quick start-up guide

Checking "open Internet" communication channel configuration

## Global computer network (WAN) and GSM network



Further will be presented examples of port forwarding settings in some routers

The slide shows a variant of the work in an open Internet mode. To do this, you will need to purchase from your Internet service provider "static IP address" and set up port forwarding. For example 3030, in a router or server, to a computer, with IP address 192.168.1.15, where "Control Center" of the "Phoenix 4" is running.

internet service provider

WAN static IP address

router/server  
Port Forwarding  
3030 TCP/UDP

LAN office CMS

computer CMS  
«Phoenix»

### Network Connection Details

#### Network Connection Details:

Property	Value
Connection-specific DNS S...	T-mobile.com
Description	Intel(R) Dual Band Wireless-AC 3165
Physical Address	DC-53-60-18-97-37
DHCP Enabled	Yes
IPv4 Address	192.168.1.15
IPv4 Subnet Mask	255 255 255 0

# Port Forwarding

If this is your first time port forwarding chances are you may be able to find a port forwarding guide for your particular router/application on portforward.com. You may also be able to find a guide online by searching your router's model number with "Port Forwarding Guide" after it.

To start, you will need to figure out what your network's default gateway IP address is. You will use this address to access your router's configuration page and administrative tools. If you need assistance locating the default gateway IP address you can use this guide for help.

It is important to remember that each router is different. You may even see slight differences between each router from a particular manufacturer. Most routers will ask for the same information;

Service/Application Name, External Port, Internal Port, Protocol and Device IP.

Service/Application: The name of the device/service.

External Port: Normally you would select a single port; for example 3030.

Internal Port: Normally you would select a single port; for example 3030.

Protocol: Depending on the device this could be either "TCP" or "UDP". If unsure set this as "Both".

The screenshot shows the ASUS RT-AC66U router's web interface. The top navigation bar includes the ASUS logo, model number RT-AC66U, and buttons for Logout, Reboot, and English. The main menu on the left lists various settings: Quick Internet Setup, General, Network Map, Guest Network, Traffic Manager, Parental control, USB application, AiCloud, Advanced Settings, Wireless, LAN, WAN (highlighted), IPv6, VPN Server, Firewall, and Administration. The main content area is titled 'WAN - Virtual Server / Port Forwarding'. It includes a 'Basic Config' section with 'Enable Port Forwarding' set to Yes, and dropdown menus for 'Famous Server List' and 'Famous Game List'. The 'FTP Server Port' is set to 2021. Below this is a 'Port Forwarding List (Max Limit : 32)' table with columns for Service Name, Port Range, Local IP, Local Port, Protocol, and Add/Delete. The table contains one entry for 'Ortus' with Port Range 3030, Local IP 192.168.1.15, Local Port 3030, and Protocol BOTH. A message 'No data in table.' is displayed below the table. An 'Apply' button is at the bottom right.

ASUS RT-AC66U Logout Reboot English

Operation Mode: **Wireless router** Firmware Version: **3.0.0.4.372\_67**  
SSID: **ASUS ASUS\_56**

Internet Connection Port Trigger Virtual Server / Port Forwarding DMZ DDNS NAT Passthrough

### WAN - Virtual Server / Port Forwarding

Virtual Server / Port forwarding allows remote computers to connect to a specific computer or service within a private local area network (LAN). For a faster connection, some P2P applications (such as BitTorrent), may also require that you set the port forwarding setting. Please refer to the P2P application's user manual for details. You can open the multiple port or a range of ports in router and redirect data through those ports to a single client on your network.  
If you want to specify a Port Range for clients on the same network, enter the Service Name, the Port Range (e.g. 10200-10300), the LAN IP address, and leave the Local Port empty.

- When your network's firewall is disabled and you set 80 as the HTTP server's port range for your WAN setup, then your http server/web server would be in conflict with RT-AC66U's web user interface.
- When you set 2021 as your FTP server's port range for your WAN setup, then your FTP server would be in conflict with RT-AC66U's native FTP server.

[Virtual Server / Port Forwarding FAQ](#)

#### Basic Config

Enable Port Forwarding	<input checked="" type="radio"/> Yes <input type="radio"/> No
Famous Server List	Please select
Famous Game List	Please select
FTP Server Port	2021

#### Port Forwarding List (Max Limit : 32)

Service Name	Port Range	Local IP	Local Port	Protocol	Add / Delete
Ortus	3030	192.168.1.15	3030	BOTH	+

No data in table.

Apply

# More Port Forwarding examples

**NETGEAR SMARTWIZARD** router manager  
54 Mbps Wireless Router model WGR614 v6

54 Mbps 2.4 GHz 802.11 g

**Ports - Custom Services**

Service Name: Ortus  
Service Type: TCP/UDP  
Starting Port: 3030 (1~65534)  
Ending Port: 3030 (1~65534)  
Server IP Address: 192.168.1.15

Apply Cancel

**Ports - Custom Services Help**

To setup an application, game or service:

1. Type the service name in the **Service Name** box.
2. Type the beginning port number in the **Starting Port** box.
3. If the application uses only a single port, type the same port number in the

**LINKSYS**  
A Division of Cisco Systems, Inc.  
Firmware Version: 1.52.5\_beta4

Broadband Firewall Router REF5X41

Applications & Gaming

Setup Security Restrict Access Applications & Gaming Administration Status

Port Range Forwarding Port Triggering UPnP Forwarding DMZ QoS

**Port Range Forwarding**

Application	Start	End	TCP UDP	IP Address	Enabled
Ortus	3030	3030	Both	192.168.1.15	<input checked="" type="checkbox"/>
	0	0	Both	192.168.1.0	<input type="checkbox"/>

**Port Range Forwarding**

Port Range Forwarding can be used to set up public services on your network. When users from the internet make certain requests on your network, the Router can forward those requests to computers equipped

**BELKIN** Easy Setup

Home Help Logout Internet Status: Connected

**Firewall > Virtual servers**

This function will allow you to route external (Internet) calls for services such as a web server (port 80), FTP server (Port 21), or other applications through your Router to your internal network. More Info

Clear Changes Apply Changes

Add Action: Worlds Add

Clear entry all Quit

Enable	Description	Internal port	Type	Private IP address	Private port
<input checked="" type="checkbox"/>	Ortus	3030 - 3030	TCP	192.168.1.15	3030
<input checked="" type="checkbox"/>	Ortus	3030 - 3030	UDP	192.168.1.15	3030

**NETGEAR genie**

Highhawk R7000

Logout

Firmware Version: V1.0.4.18\_1.1.52

English

**ADVANCED**

ADVANCED Home Setup Wizard WPS Wizard

Ports - Custom Services

Service Name: Ortus  
Service Type: TCP/UDP  
External Starting Port: 3030 (1-65535)  
External Ending Port: 3030 (1-65535)  
☒ Use the same port range for internal port  
Internal Starting Port: (1-65535)  
Internal Ending Port: (1-65535)  
Internal IP address: 192.168.1.15

Or select from currently attached devices

IP Address	Device Name
<input checked="" type="radio"/>	192.168.1.15



Options

- Connection
- Clients
- Event source
  - GSM
  - Alarm receiving centre
  - TCP/IP connection**
  - Orlan Video
  - SMS subsystem
  - Additional
  - Orlan module check
  - Clients with Phoenix 4-GPS
  - Backup
  - ContactID format event reportir
  - Android tablet PCs
  - Phoenix-MK

## TCP/IP connection

Add an event source

Name of the event source: internet 1

**Device Settings:**

☐ Device type Emizon

IP address: 192.168.1.15

Port: 3030

Device number: 1

IP address of the FTP server to configure the devices

IP address: 104.28.4.114 Port: 21

Enter the "Control Center" application settings. Select the menu item «TCP / IP connection». Click "add event source" and enter the settings

Set the option to enable event source

Options

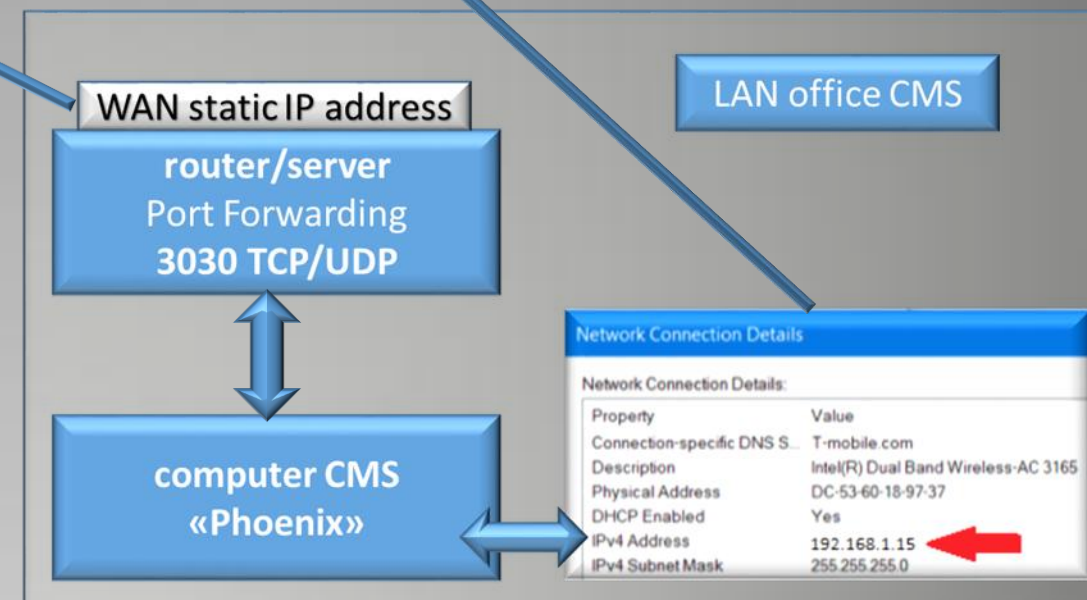
- Connection
- Clients
- Event source
  - GSM
  - Alarm receiving centre
  - TCP/IP connection
    - internet 1**
    - Orlan Video

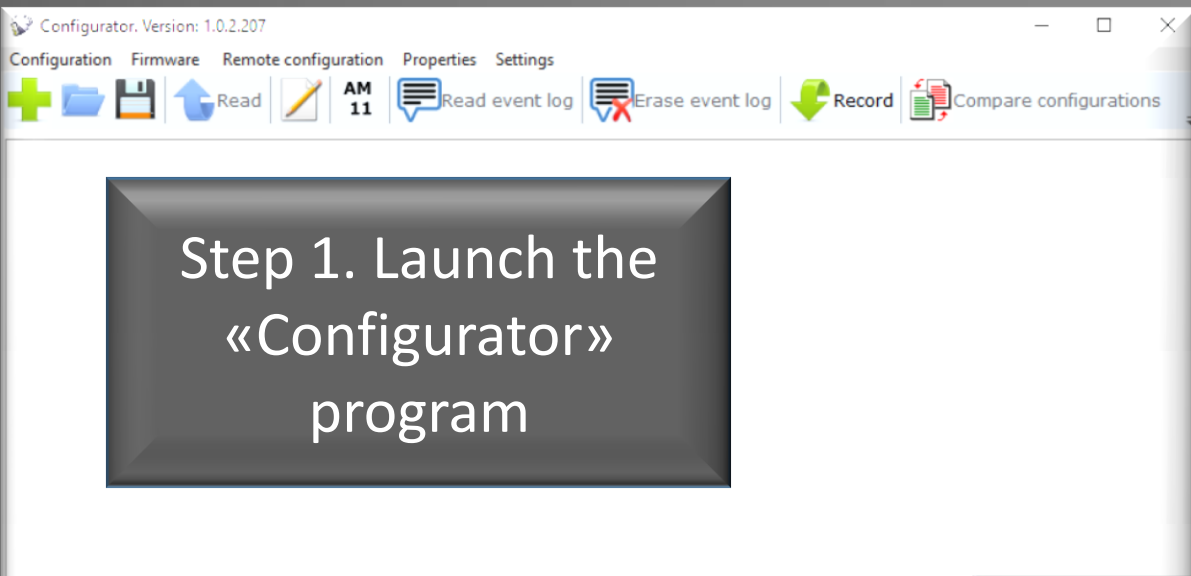
## internet 1

Event source description: internet 1

☒ Event source enabled

**Device Settings:**





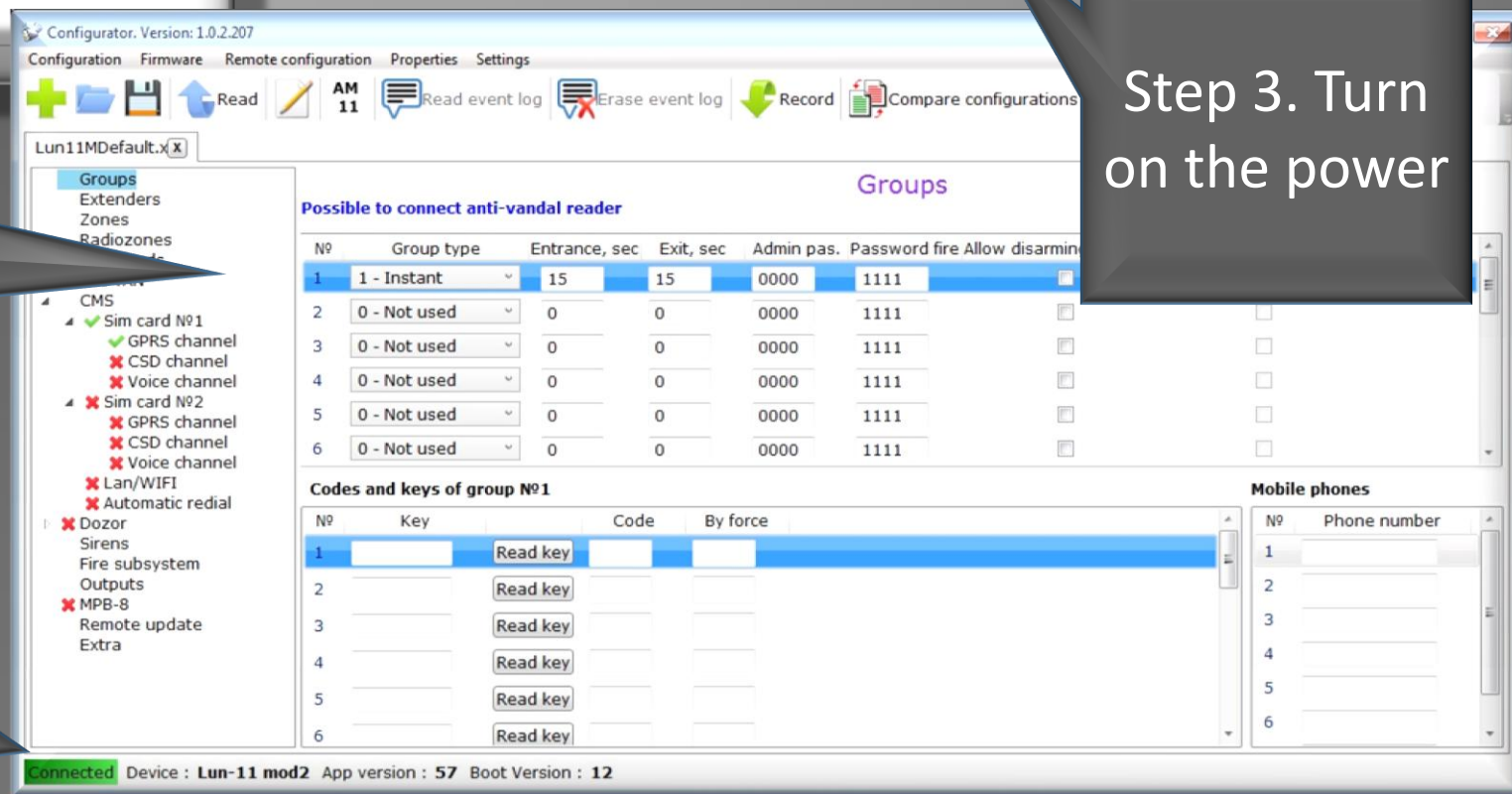
Step 1. Launch the «Configurator» program



Step 2:  
Connect the cable



After powering on the device in the «Configurator» window template of devices factory settings is displayed



Step 3. Turn on the power

The status bar will display the connection status and the device version

Configurator, Version: 1.0.2.207

Configuration Firmware Remote configuration Properties Settings

+ Read AM 11 Read event log Erase event log Record Compare configurations

Lun11MDefault.x

Groups  
Extenders  
Zones  
Radiozones  
Keyboards  
CMS  
Sim card №1  
GPRS channel  
CSD channel  
Voice channel  
Sim card №2  
GPRS channel  
CSD channel  
Voice channel  
Lan/WIFI  
Automatic redial  
Dozor  
Sirens  
Fire subsystem  
Outputs  
MPB-8  
Remote update  
Extra

**CMS**

The transmission number 1111

Sim cards

	Sim1	Sim2
Period of sending a test by GPRS	5 minutes	50 minutes
Period of sending a test by CSD	30 minutes	120 minutes
Period of test sending by voice	110 minutes	1430 minutes

☐ Use alternative testing algorithm

Period of test for Inactive Sim 1439

Timeout to return to the main Sim 0

Rules for channels sequencing G1V1G2V2

☐ Return to main Sim automatically

Period of test for Lan/WIFI 1 minutes

Automatic redial

Period for sending of test 1440 minutes

The delay of the first test 480 minutes

Channels priority

1. SIM card №1
- 2.
- 3.
- 4.

Protocol RITM

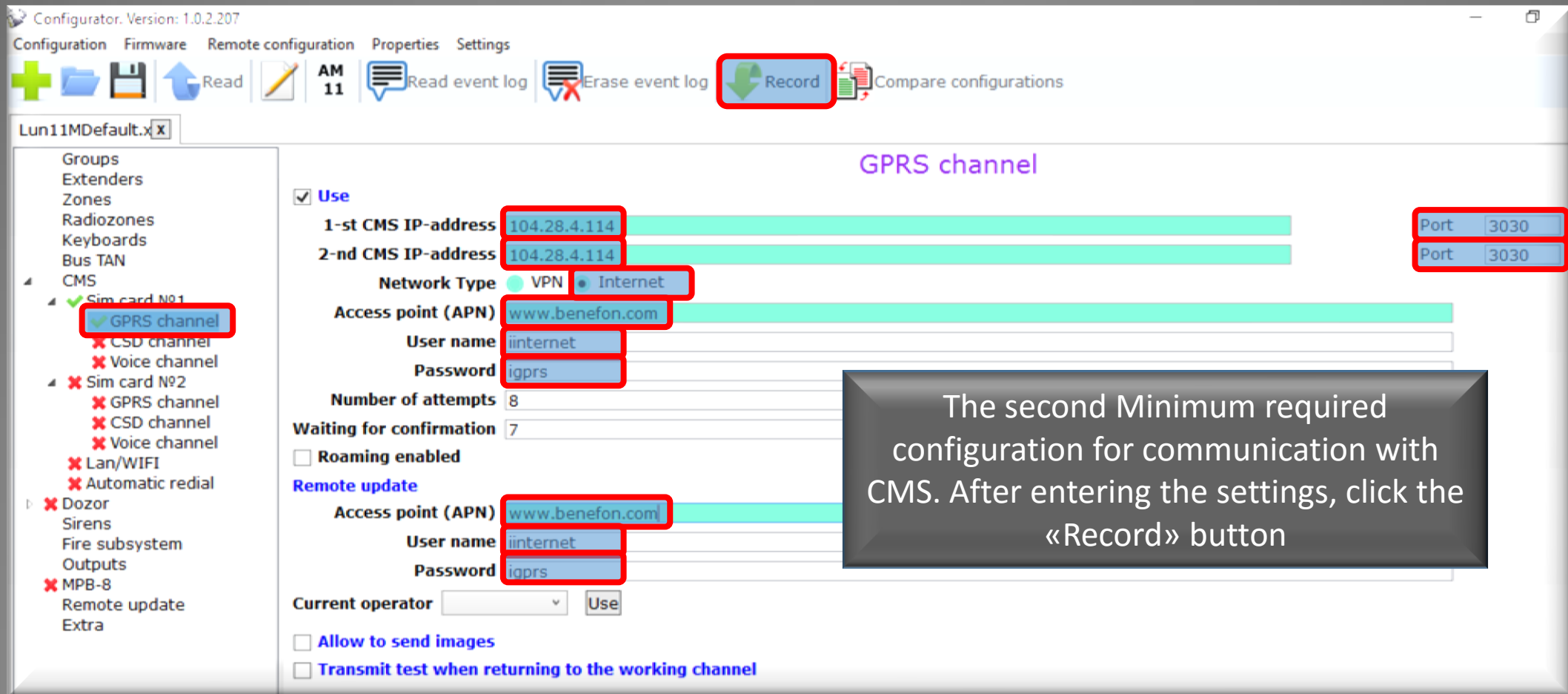
☐ Use protocol RITM

Password

For use of the alternative algorithm is needed:  
1. Turn on desired channels on BOTH Sim-cards  
2. Turn off in configuration devices LanCom and Automatic redial  
Wherein Sim1-main, Sim2-reserve  
G1 - GPRS channel Sim1, V1 - voice/CSD channel Sim1  
G2 - GPRS channel Sim2, V2 - voice/CSD channel Sim2

This and the following slide shows minimal configuration that allows quickly test device performance and communication channel.

First minimum necessary device settings for connection to the CMS.  
«The transmission number» and  
«Period of sending a test by GPRS»  
Values will be needed in the future  
when you will be creating the object  
card in the "Phoenix 4" program.



After recording, settings in the device, power off the device and unplug the configuration cable. Insert into the device (SIM1 slot) SIM card with a disabled PIN code request and turn on the power.



Objects Reception

▼

Object

Object

Password

District

Alarm type

Technic

CP-Lun

Name

Transmitter

Address

Ver

Phones

CP-Ph

Director

CP T

Responsible

mode

Last test

UNKNOWN


from

Notes Advanced Placement Equipment Rentals

Description of Placement

Date o

Event Processing

 **Get to the processing**

Line	Object	ID	code type	Date	time	Gr.	Zone.	Object ...	Condition	Descri
1	1111	402		06/06/16	15:19:56	1	1		new	

If everything was set up correctly, in a couple of minutes after turning on the device, in the "Duty operator" in the "unprocessed" tab will be an event with an object number, for example "1111", which you have made in the "Configurator" in «The transmission number» field. All fields in a object card will be empty, since this «The transmission number» is not linked to a particular database object.

Object	Gr.	Name
+ 0002	1	Group 1 (Example 5C +
..... 0003	0	Lun-7T voice without e
+ 0004	0	Group 1 (7T[voice + GP
..... 0005	0	Example 9T + TK-7 (PST
+ 0006	0	Group 0 (Lun-9C self)

 Add object

Edit an object

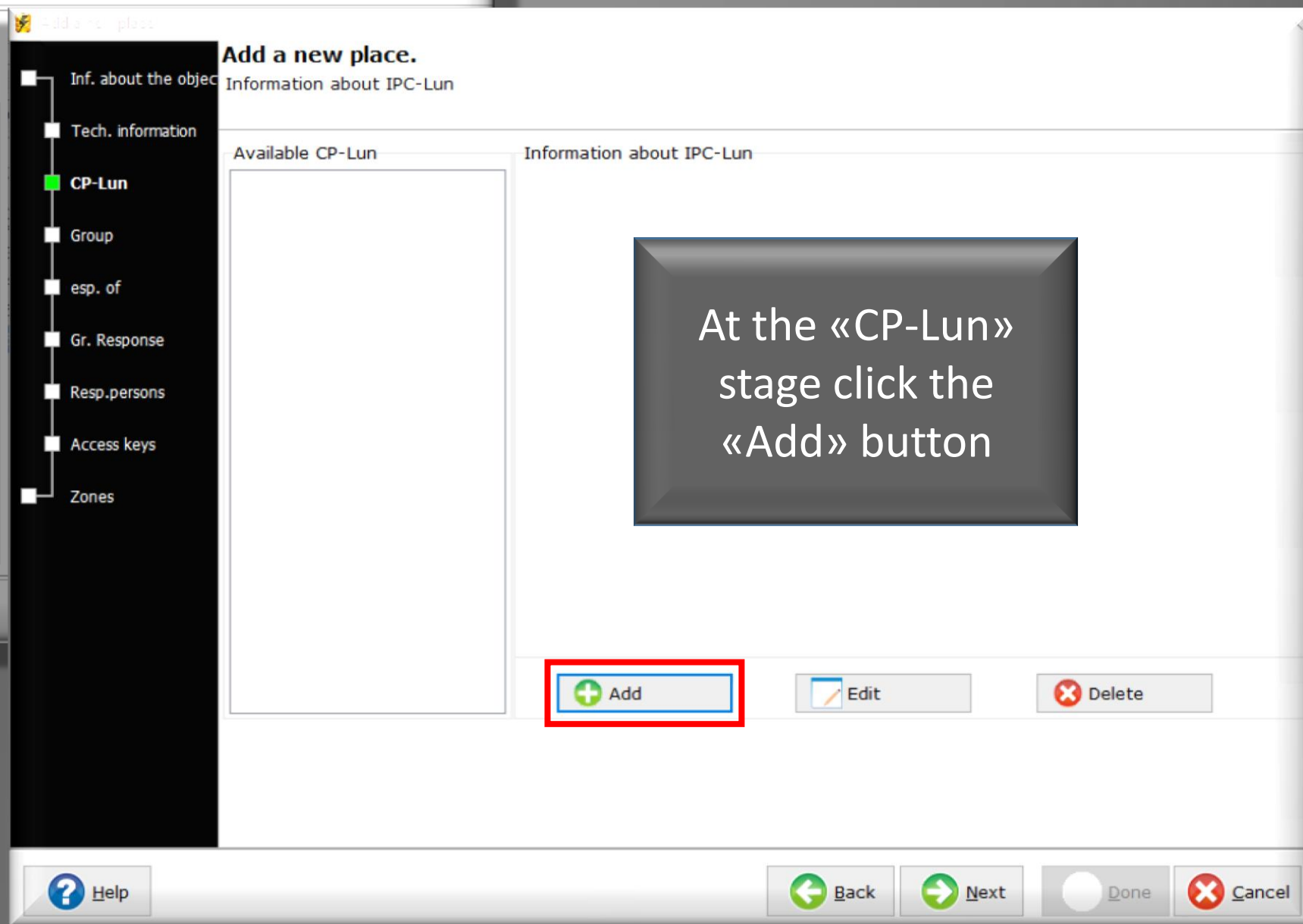
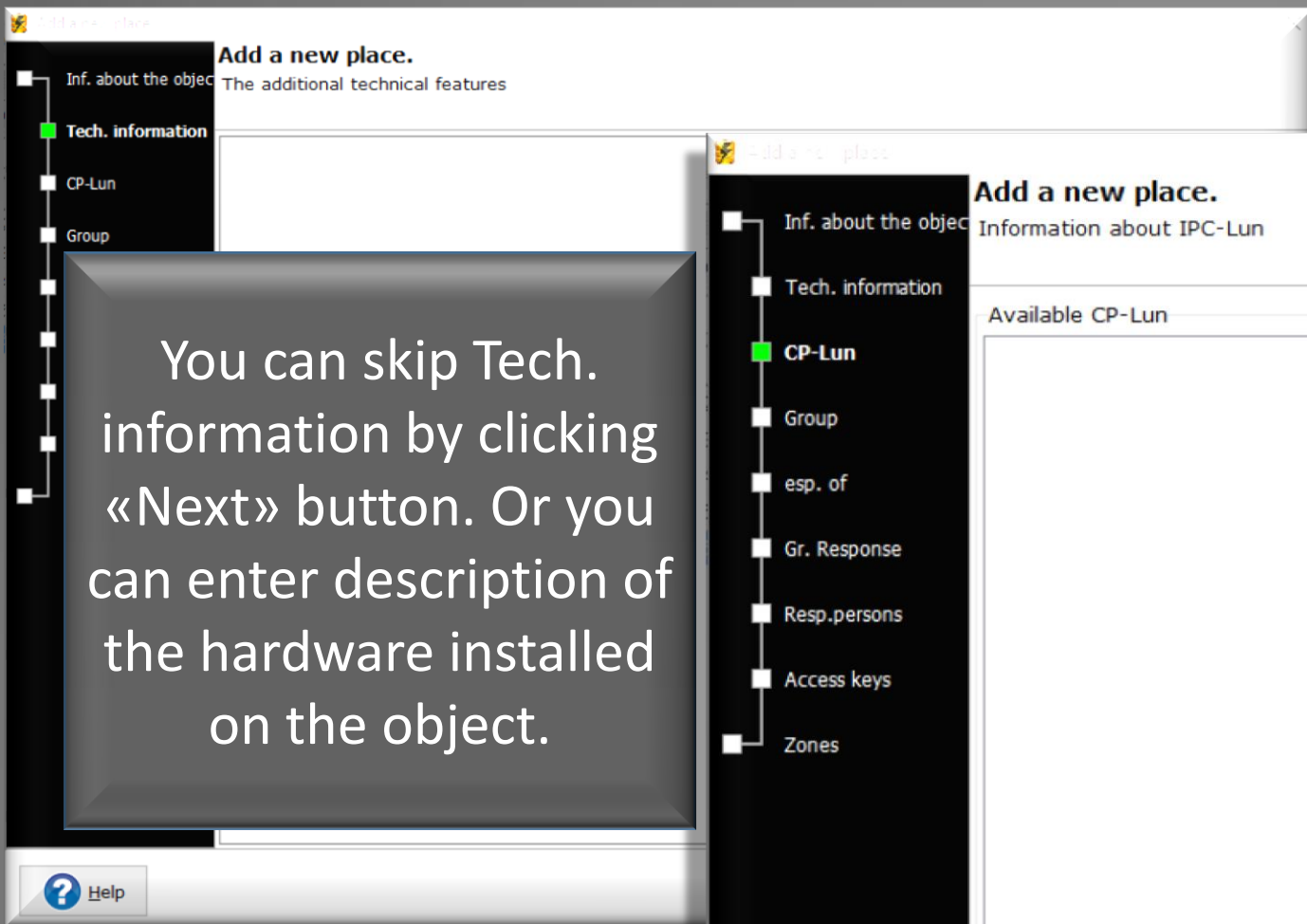
Right-clicking on the object list field, call drop-down menu and select «Add object»

Enter the object number,  
select monitoring station  
from the list, set «CP-Lun»  
and click the «Next» button



Done





ControlPanel-GSM

Choose the type of panel

Choose the type of transmitter. Version

SIM900R 56

Lun 9T (RUS)  
Lun-11  
**Lun-11 Mod2**  
Lun-11 Mod3  
Lun-19  
Lun-23  
Lun-5C  
Lun-5M

Options for Experts (change not recommended)  
☐ Manually specify a set of codes (overrides the default code table)

Warning!  
Here and below, fields marked in red are required

Next →

From the drop-down menu, select «Lun-11 Mod 2», modem type «SIM900R», and specify the device version (this data can be found on the device label) and click the «Next» button.

ControlPanel-GSM

Select panel mode of work

☐ Use Voice/CSD channel  
☒ Use either GPRS  
☐ Use the phone line  
☐ Use Lancom

control rooms Orlan-GPRS modules to test their own performance should be periodically share information from object instruments Lun-i. These devices Lun - the most common devices, but they must be installed in an area with good signal quality at sites with high quality wall mounting. The number of such devices must be within 5 .. 10

☐ Make this panel as "reference"  
☐ Disable panel testing monitoring

Next →

Back Next Cancel

In this window, select «Use either GPRS» and click the «Next» button



ControlPanel-GSM

SIM 1

Phone of CP-LUN 380671112233

phone survey 0671112233

mobile network operator Operator 1

Test Period (HH: MM) 00:07

Network Type

☐ VPN

☒ Internet

☐ reminded of a deposit

☐ installed two SIM cards

Transmitted number 1111

Help Back Done

Select the network type «internet»

Country code without «+»

Operator code

Phone number

Enter the transmitted number specified in the «Configurator» program and click the button «Done»

From the drop-down menu, select «Operator 1»

Setup testing period for a few minutes more than was set «Configurator» program

Enter the phone number in the format

38 067 1112233

### Add a new place.

Information about IPC-Lun

#### Available CP-Lun

☒ 380671112233

#### Information about IPC-Lun

Device Type 380671112233

Lun-11 Mod2

Device version

56

Transmitter Type

SIM900R

set of codes

7

Date of connection

Real device version

☐ Exec. pulse protocol

mode

☒ GPRS ☐ Voice ☐ Tel. line ☐ Lan

Transmitted number

1111

+ Add

Edit

Delete

Check the entered data and if entered right, click the «Next» button

Back

Next

Done

Cancel

Add a new place.

Group Details

Information about the payer

Object Name: Orlan LLC

Address: 5624 California street, San Francisco, CA 94121

Phones: +16502402762

Director: Konstantin Karnaukh

Responsible: Daria Guliakina

Notes

#	Note	Date	Auto-removal

+ Add

Fill in highlighted fields and click «Next»

Phoenix-MK

Alarm button

Help Back Next

Add a new place.

Information about the schedule

Choose the type of group

☐ Individual schedule

☐ Agile time schedule (Apartments/garages, etc.)

☒ Unknown

☐ Armed 24h

☐ no on and off (panic buttons only)

Click «Next» on this stage



Help Back Next Done Cancel

2 Add a new place.

Information about the groups to respond

**Response Team to travel to the object**

Object Name	Type	Start of work	End of work	#



 Add  Delete






Add response team

Search by name:

Object Name	Type	Start of work	End of work	#
Mobile Group 1				
Mobile Group 2				

☒ main group response  
☐ Specify the time for the response group (format: HH:MM)




 Done 

 ? Help  Back  Next  Done  Cancel

Adding any Response team  
and click the «Next» button

2 Add a new place.

Information about the responsible

 Add  Edit  Delete






Information about the responsible

Name of the responsible person	Address	Phone type	Phone #	Note
--------------------------------	---------	------------	---------	------

Click «Next»  
on this stage

List of responsible Objects. Count:0

Object	Group	Object Name	Description
--------	-------	-------------	-------------

 ? Help  Back  Next  Done  Cancel

Add a new place.

Inf. about the object Information about access keys

+

 Add Edit Delete

#	Name of the key holder

Click «Next» on this stage

Help Back Next

Add a new place.

Inf. about the object Information about zones

Add zone after Add zone before Delete

#	Zone Description	Patrol	Panic Button	Zone type
1	test			

Fill in the description of the first zone and click the «Done» button

Help Back Done Cancel



Once again turn on the device. Now events from the device will be displayed as a number of the object in the database and be accompanied by detailed information from the database

Phoenix 4. The duty operator. 1.35.37.1

Card

Condition

Schemes

Photo

Stands

Response

Log out

Options

Control

Print

Monday  
17:14

Objects Reception

Object 0007 Password District Alarm type Technic CP-Lun Lun-11 Mod2

Name **Orlan LLC** Transmitter SIM900R

Address 5624 California street, San Francisco, CA 94121 Version 56

Phones +16502402762 CP-Phone Her

Director Konstantin Karnaukh CP Type Her

Responsible ... mode

Last test UNKNOWN from till

Notes Advanced Replacement Equipment Rentals

Description of replacement

Date of replacement

Event Processing

Get to the processing

Display all

Line	Object	ID	code type	Date	time	Gr.	Zone.	Object Na...	Condition	Description of the event
G01	0007	Z13	Loss of events	06/06/16	17:14:10	1		Orlan LLC	new	Attention! An event has been lost due to packets have been und...